

SEQUENCE LISTING

<110> Rosen et al.

<120> 31 Human secreted proteins

<130> PZ026P1C2

<150> 09/787,889

<151> 2001-03-06

<150> 09/393,022

<151> 1999-09-09

<150> PCT/US99/05721

<151> 1999-03-11

<150> 60/077,714

<151> 1998-03-12

<150> 60/077,686

<151> 1998-03-12

<150> 60/077,687

<151> 1998-03-12

<150> 60/077,696

<151> 1998-03-12

<160> 185

<170> PatentIn Ver. 2.0

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<211> 733

<212> DNA

<213> Homo sapiens

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acaagagcag	gtggcagcag	gggaacgtct	tctcatgctc	cgtgatgcat	gaggctctgc	660
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<211> 5

<212> PRT

<213> Homo sapiens

<220>

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<211> 86
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<213> Artificial sequence

<220>
<223> Primer containing a XhoI site

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cccgaaatat ctgccatctc aattag 86

<210> 4
<211> 27
<212> DNA
<213> Artificial sequence

<220>
<223> Primer containing a HindIII site

<400> 4
gcggcaagct ttttgcaaag ctaggc 27

<210> 5
<211> 271
<212> DNA
<213> Artificial sequence

<220>
<223> Fragment flanked by XhoI and HindIII sites

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gcccctaact ccgcccagtt ccgcccattc tccgcccatt ggctgactaa ttttttttat 180
ttatgcagag gccgaggccg cctcggcctc tgagctattc cagaagtagt gaggaggctt 240
ttttggaggc ctaggctttt gcaaaaagct t 271

<210> 6
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<212> DNA
<213> Artificial sequence

<220>
<223> Primer containing a XhoI site

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<210> 7
<211> 31
<212> DNA
<213> Artificial sequence

<220>

<223> Primer containing a HindIII site

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<210> 8
<211> 12
<212> DNA
<213> Artificial sequence

<220>
<223> NF-KB binding site

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<210> 9
<211> 73
<212> DNA
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<223> Fragment containing a XhoI site

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ccatctcaat tag 73

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<211> 256
<212> DNA
<213> Artificial sequence

<220>
<223> Fragment flanked by XhoI and HindIII sites

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caattagtcg gcaaccatag tcccgccct aactccgccc atcccgcccc taactccgcc 120
cagttccgcc cattctccgc cccatggctg actaattttt tttatttatg cagaggccga 180
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<222> (137)

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gagtcacctg	gtgtagtagc	aataaggaaa	aatgaaatta	ctttcctgtg	cacacagtcc	420
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tgtctctgga	tccccacagc	tgtgtacttg	tttgcatattg	tttccctttg	agatttgtgt	600
ttgtgtcctg	ctttgagctg	taccttgctc	agtccattgt	gaaattatcc	cagcagctgt	660
aatgtacagt	tccttctgaa	gcaagcaaca	tcagcagcag	cagcagcagc	agcacaattc	720
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aaaaaaaaaa						790

<210> 12

<211> 554

<212> DNA

<213> Homo sapiens

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atactatcat	catttggatg	gagctcttta	aactgacctc	agagatcaga	ttcataacct	120
tttgtccaga	gcaatggatg	cctttgctgg	ttccccgttc	tcattgatgg	tccctaaatg	180
tgtacttata	ctgttctgtc	tagtctacag	cttacagtgc	attcagcctt	attcaagctt	240
attgaattca	gcctcggtgc	cttatcacca	cgggcttaaa	ctagctaata	ttttattaat	300
tgtattctat	cctcacatac	attctatccc	tttttccctc	agtcacacct	ctaaactgca	360
catctgatca	catttgaatc	ttagctcctt	tacttgcttt	ctggccttgg	gcagttggtt	420
ataatgctct	gtgtcctcca	ttcctcctgc	ctcctactgt	ggttcatggc	ttaatatatg	480
taaaactatg	cattacctta	ctgcttaaaa	ctcttaaaat	taaaaaaaaa	aaaaaaaaac	540
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<211> 1106

<212> DNA

<213> Homo sapiens

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ttcttgtccc	ctttccagat	gttaggtttt	aaacaatgac	tgttctttct	ccatcatgta	300
gaccaaaggc	caagtcttgt	gtcccatg	gagattaaaa	cccaagcccc	tatgtctagg	360
tccagtcccc	actgatttct	ctaattgtga	gtctttctgc	ttacctagta	cctagagttt	420
ctcttcccaa	gttttaaaaa	tatcagttct	aagtaggcct	agcgtttcta	catattttta	480
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ttaaaaaaaa	aaaaaaaaaa	ctcgag				1106

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 <211> 568
 <212> DNA
 <213> Homo sapiens

<400> 14

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gctcgggtgt	tacctcaatc	agcactgggg	gttggtcggg	gtggcggcgt	tgatcgtgtt	360
ggcgggtggc	gtttcgctgt	ggctggcgag	tgcgaacca	acgtgacgat	cgccgcccgt	420
aagcgtattg	cctttagcgc	atgttgggg	gtatttggac	ttacgggtctg	ggacttgcaa	480
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<220>
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 <211> 1940
 <212> DNA
 <213> Homo sapiens

<400> 18

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<210> 19

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 19

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<211> 1410

<212> DNA
 <213> Homo sapiens

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<210> 21
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 <212> DNA
 <213> Homo sapiens

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 <222> (979)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1047)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1135)
 <223> n equals a,t,g, or c

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<210> 22
 <211> 1218
 <212> DNA
 <213> Homo sapiens

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 <222> (389)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (740)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (1048)
 <223> n equals a,t,g, or c

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<210> 23
 <211> 712
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (28)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (77)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (117)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (124)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (696)
 <223> n equals a,t,g, or c

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<210> 24
 <211> 1422
 <212> DNA
 <213> Homo sapiens

<400> 24
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<210> 25
 <211> 1038
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (806)
 <223> n equals a,t,g, or c

<400> 25						
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gaggcctcgg	caatattgat	tttagacagg	cagacttctg	cgttatgacc	cggctgctgg	180
gctacgtgga	ccccctggat	cccagctttg	tggctgccgt	catcaccatc	accttcaatc	240
cgctctactg	gaatgtgggt	gcacgatggg	aacacaagac	ccgcaagctg	agcagggcct	300
tcggatcccc	ctacctggcc	tgctactctc	taagcrtcac	catcctgctc	ctgaacttcc	360
tgcgctcgca	ctgcttcacg	caggccatgc	tgagccagcc	caggatggag	agcctggaca	420
ccccgcgggc	ctacagcctg	ggcctcgcgc	tcctgggact	gggcgtcgtg	ctcgtgctct	480
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aggaggcgag	agtgcacctg	ttccccttca	acatcctgga	caaccccatg	tactggggaa	600
gcacagccaa	ctacctgggc	tgggccatca	tgcacgccag	ccccacgggc	ctgctcctga	660
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ttgctgaagg	cctggccagc	ctcctnctg	cccccaagtgg	caggccctgc	gcagggcgag	840
aatggtgcct	gctgctcagg	gctgcccccg	gcgtgggctg	ccccagtgcc	ttggaacctg	900
ctgccttggg	gaccttgga	gtgccgacat	atggccattg	agctccaacc	cacacattcc	960
cattcaccaa	taaaggcacc	ctgaccccaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	1020
aatttggggg	ggggcccc					1038

<210> 26
 <211> 1906
 <212> DNA
 <213> Homo sapiens

<400> 26						
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ctgctttgtc	ttgaagacag	aacgatgcca	aagaaagcaa	agcctacagg	gagtgggaag	120
gaagaggggc	cggctccctg	taagcagatg	aagttagaag	cagctggggg	gccttcagct	180
ttaaactttg	acagtcccag	tagtctcttt	gaaagttaa	tctcgcccat	caagacagag	240
acttttttca	aggaattctg	ggagcagaag	ccccttctca	ttcagagaga	tgacctgca	300

ctggccacat	actatgggtc	cctgttcaag	ctaacagatc	tgaagagtct	gtgcagccgg	360
gggatgtact	atggaagaga	tgtgaatgtc	tgccggtgtg	tcaatgggaa	gaagaagggt	420
ttaaataaag	atggcaaacg	acactttctt	cagctgagaa	aagattttga	tcagaaaagg	480
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aagctggaat	gttacttttg	ctccttgggt	ggctcgaatg	tgtacataac	tcccgcagat	600
ctcagggcct	gccgccccat	tatgatgatg	tgcagggttt	catcctgcag	ctggagggag	660
agaaacactg	gcgcctctac	cacccactg	tgccctggc	acgagagtac	agcgtggagg	720
ccgaggaaag	gatcggcagg	ccggtgcatg	agtttatgct	gaagccgggt	gatttgttgt	780
actttcccag	aggaaccatt	catcaagcgg	acactcctgc	ggggtggcc	cactcgactc	840
acgtgaccat	cagcacctac	cagaacaatt	catggggaga	tttccttttg	gataccatct	900
cggggcttgt	atttgatact	gcaaaggaag	acgtggagtt	acggaccggc	atacccggc	960
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attttattat	gcacagactc	cccccttact	ctgcgggaga	tggggcagag	ctgtcaacac	1140
caggtggaaa	gttaccgagg	ctggacagtg	tagtgagact	gcagttttaa	gaccacattg	1200
tcttcacagt	actgccggat	caagatcaat	ctgatgaagc	tcaagaaaag	atggtgtaca	1260
tctatcattc	cttaaagaat	agtagagaga	cacacatgat	gggaaatgag	gaggaaacag	1320
agtttcatgg	acttcgcttc	cctttgtcac	atltggatgc	actgaagcaa	atltggaata	1380
gtccagctat	ttctgtcaag	gacctgaaac	ttactacaga	tgaggaaaag	gaaagcctgg	1440
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gcctactatt	ttatatgcat	atattaaaag	aaaagcaaag	acctgagccg	aggagaggat	1560
gaattcaagt	ttccttacct	gcgtatctac	taacaaacat	gagacctccc	tgttacaggt	1620
ggtcagttgg	ccaaatgtac	taacgggcac	atgaaagaaa	gaacagcaaa	ttaccaagtg	1680
tctcagaaaa	tgacaaaacc	atattttgac	aagtttattt	aatccagtgt	ggtagaaaag	1740
gcacaatttc	aatgtatcat	ttagaattga	atgtcattaa	cctggctttg	ttccttggaa	1800
gaaacaactt	ctttaaagag	cttctttggc	tctagaaaaa	tttcaaacia	ttaaaataag	1860
aaaaaatTTT	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	ctcgag		1906

<210> 27
 <211> 847
 <212> DNA
 <213> Homo sapiens

<400> 27						
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cgagcatctt	catctgctcc	atcacgctgt	aaaacacatt	tgcaccgcga	gtctgcccg	120
cctccacggg	ttcattgctg	cgagtgtag	acctgggarg	atggscggcc	tgctgctggc	180
tgtttttctg	gctttgggtc	cggtgcccag	ggcccaggcc	gtgtggttgg	gaagactgga	240
ccctgagcag	cttcttgggc	cctggtacgt	gcttgccgtg	gcctcccggg	aaaagggctt	300
tgccatggag	aaggacatga	agaacgtcgt	gggggtgggtg	gtgaccctca	ctccagaaaa	360
caacctgcgg	acgctgtcct	ctcagcacgg	gctgggagg	tgtgaccaga	gtgtcatgga	420
cctgataaag	cgaaactccg	gatgggtgtt	tgagaatccc	tcaataggcg	tgctggagct	480
ctgggtgctg	gccaccaact	tcagagacta	tgccatcacc	ttactcagc	tggagtccgg	540
ggacgagccc	ttcaacaccg	tggagctgta	cagtctgacg	gagacagcca	gccaggaggc	600
catggggctc	ttcaccaagt	ggagcaggag	cctgggcttc	ctgtcacagt	agcaggccca	660
gctgcagaag	gacctcacct	gtgctcacia	gacccctctg	tgagtgtctg	gtccccagta	720
gggatggcgc	ccacaggggm	mwgtgacctc	ggccagtgtc	caccacctc	gctcagcggc	780
tcccggggcc	cagcaccagc	tcagaataaa	gcgattccac	agcaaaaaaa	aaaaaaaaaa	840
actcgag						847

<210> 28
 <211> 985
 <212> DNA
 <213> Homo sapiens

<400> 28						
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tgaccatctg	cgctgccggc	attggtggga	cttttcagtt	tggctataac	ctctctatca	120
tcaatgcccc	gaccttgac	attcaggaat	tcaccaatga	gacatggcag	gcgcgtactg	180
gagagccact	gcccgatcac	ctagtccctg	ttatgtggtc	cctcatcgtg	tctctgtatc	240
ccctgggagg	cctctttgga	gcactgcttg	caggtccctt	ggccatcacg	ctgggaagga	300

agaagtccct	cctgggtgaat	aacatctttg	tggtgtcagc	agcaatcctg	tttggattca	360
gccgcaaacg	aggctccttt	gagatgatca	tgctgggaag	actgctcgtg	ggagtcaatg	420
caggtgtgag	catgaacatc	cagcccatgt	acctggggga	gagcgcccct	aaggagctcc	480
gaggagctgt	ggccatgagc	tcagccatct	ttacggctct	ggggatcgtg	atgggacagg	540
tggtcggact	cagcactacg	gcggtcccg	ggctccgggg	acttggcagg	ggagctggag	600
gagctggagg	aggagcgcg	tgctgccag	ggctgccgtg	cccggcgccc	atgggagctg	660
ttccagcatc	gggccctgag	gagacagggtg	acaagcctcg	tggttctggg	cagtgccatg	720
gagctctgcg	ggaatgactc	ggtgtacgcc	tacgcctcct	ccgtgttccg	gaaggcagga	780
gtgccggaag	cgaagatcca	gtacgcgatc	atcgggactg	ggagctgcga	gctgctcacg	840
gcggttggtta	gtgtgagtct	ggaggggtgcc	cttcctccac	cagccctgtg	gggagggacc	900
cccaggtcct	ctgcattaaa	ccagtttaca	ctccaaaaaa	aaaaaaaaaa	aaaaaaaaaa	960
aaaaaaaaaa	aaaaaaaaaa	aaaaa				985

<210> 29
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 29						
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atactctgat	ctttgctgtg	ctggcttcta	tagtgtttat	ggggtggaca	actaagacat	120
ttagaattgc	aaaatgccaa	tcagattgga	tggaacgctg	ggttgacgat	gcattttgga	180
gcttcctttt	ttcgcttata	cttattgtaa	tcatgttttt	gtggagacca	tcagcaaaaca	240
atcagagata	tgccctcatg	cccttaatat	atgattctga	tgatgaaatt	gaggaattca	300
tggttaacttc	tgaaaattta	accgaaggaa	taaaattaag	agcctcaaaa	tcagtttcca	360
atggaacagc	taagcctgcc	acttctgaga	actttgatga	agatttgaag	tgggtagaag	420
aaaatattcc	ctcttcattc	acagatgtag	ctcttccagt	gttagtggat	tcagatgagg	480
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tggaaccctg	ataagaaatg	tagttaagcc	tgaaggacta	tccttcatca	agactgaaag	600
tgagctttga	tttgatattg	cctaaaaaatt	tttattgtgt	tatcttggaa	gtctgtgtat	660
caaaatgaag	aattcagatg	gtaggagggt	ctatagtcc	tttaaagctg	actcttgagt	720
gtcagttgaa	tatccattaa	attggatttg	gaaataacct	gaggaaagta	ttatgataaa	780
gatctgcaca	gatgcctctt	agctgatagg	tggcaggcct	gtgggtttgt	gttctccctc	840
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aaaaaaaaaa	aaaaa					914

<210> 30
 <211> 1183
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc_feature
 <222> (7)
 <223> n equals a,t,g, or c

<400> 30						
cacntgnatt	catctatcag	aacaatgggtg	tgagcatgaa	gaggcacaga	caggtctcca	60
aaatagatgt	taggatttgg	gtgctacctg	acacagaagt	aggtctaacc	ctccaagtac	120
tggggatgat	aggataatca	atgaggtata	tatatatttg	tcattttgta	taaaatattg	180
tgaaaattga	aggaggacac	tcagtaaaca	tcctgggact	atttgtaagt	tatggcaaaa	240
ccagatgaga	gaaaagggac	agtccccctc	gtatcctcgt	tgtctcttag	taacatcaaa	300
ttgtagttaa	aaaaatttta	aactatgtac	aagctacaaa	atagcatctc	tttcatggta	360
tgtttgagtg	tgtaatttta	gtttcttttc	tggttgattt	tgtggtagtc	agatgtgttg	420
gattgattcc	aactggacag	agtaagggaat	tccagcatcc	tcttcctgct	tgctcgtgtt	480
acccacaga	tcaaaccctc	aattctagtt	ggggatgctg	tctagcccca	caccatgact	540

gaagccttaa	gcaactgttg	gcctccatgt	gctttggatc	agcaacccca	gtgggtattct	600
accagagcat	tgtgggaaag	cagatgtata	gtcaggtccc	aayagcaa	tggtgggtgt	660
gagagttcta	aagtataggg	gtgaggggaa	agaaggatat	gaactcctct	gaccttaagc	720
cagcattcat	ttaactttta	tgtctactta	acaagagaac	ctggagaaaa	ctaccgtatt	780
caagagatta	atcaaaatca	gtgttttagc	caggcgatga	cagagaagca	ccattcctca	840
ccctccattc	ttgtaatgtc	tgtaataaat	ttcagtgcg	caggatggat	gaacccaaga	900
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ggttttgttt	ttagtgttct	tactgattat	atccttttct	gagctatgaa	aatgaattat	1140
taataaaaaa	tttttgaaca	aaaaaaaaaa	aaaaaaactc	gag		1183

<210> 31
 <211> 1457
 <212> DNA
 <213> Homo sapiens

<400> 31						
ggcacgagcc	ggacttcaag	gtgattttac	aacgagatgc	tgctctccat	agggatgctc	60
atgctgtcag	ccacacaagt	ctacaccatc	ttgactgtcc	agctctttgc	attcttaaac	120
ctactgcctg	tagaagcaga	catttttagca	tataactttg	aaaatgcac	tcagacattt	180
gatgacctcc	ctgcaagatt	tggttataga	cttcagctg	aagggtttaa	gggttttttg	240
attaactcaa	aaccagagaa	tgctgtgaa	cccatagtgc	ctccaccagt	aaaagacaat	300
tcactctggc	ctttcatcgt	gttaattaga	agacttgatt	gtaattttga	tataaagggt	360
ttaaatgcac	agagagcagg	atacaaggca	gccatagttc	acaatgttga	ttctgatgac	420
ctcattagca	tgggatccaa	cgacattgag	gtactaaaga	aaattgacat	tccatctgtc	480
tttattgggt	aatcatcagc	taattctctg	aaagatgaat	tcacatatga	aaaagggggc	540
caccttatct	tagttccaga	athtagtctt	cctttggaat	actaccta	tcccttcctt	600
atcatagtgg	gcactctgtc	catcttgata	gtcattttca	tgatcacaaa	atttgtccag	660
gatagacata	gagctagaag	aaacagactt	cgtaaagatc	aacttaagaa	acttcctgta	720
cataaattca	agaaaggaga	tgagtatgat	gtatgtgcca	tttgtttgga	tgagtatgaa	780
gatggagaca	aactcagaat	ccttcctgtg	tcccatgctt	atcactgcaa	gtgtgtagac	840
ccttggtctaa	ctaaaaccaa	aaaaacctgt	ccagtgtgca	agcaaaaagt	tgttccttct	900
caaggcgatt	cagactctga	cacagacagt	agtcaagaag	aaaatgaagt	gacagaacat	960
acccctttac	tgagaccttt	agcttctgtc	agtgcccagt	catttggggc	tttatcggaa	1020
tcccgctcac	atcagaacat	gacagaatct	tcagactatg	aggaagacga	caatgaagat	1080
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cctaattggt	aacgggatta	caacatagca	aatactgttt	gactttcaga	agatgattgg	1200
tttatttccc	tttaaaatga	ttaggtatat	actgtaattt	gattttttgc	tcccttcaaa	1260
gatttctgta	gaaataactt	attttttagt	attctacagt	ttaatcaaat	tactgaaaca	1320
ggacttttga	tctggtattt	atctgccaag	aatatacttc	attcactaat	aatagactgg	1380
tgctgtaact	caagcatcaa	ttcagctctt	ccttttggat	gaaagtatag	ccaaaacata	1440
aaaaaaaaaa	aaaaaaa					1457

<210> 32
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (791)
 <223> n equals a,t,g, or c

<400> 32						
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gctgtgggca	ggcatctgca	tctgtctcaa	tgggggtgata	ccccaggacc	agtccattgt	180
ccgaacctct	cttgtctgtc	tggggaaggg	ttgtctggct	gcctccttca	actgcatctt	240
cctgtatact	gggaactgta	tcccacaatg	atccggcaga	caggcatggg	aatgggcagc	300
accatggccc	gagtgggcag	catcgtgagc	ccactggtga	gcatgactgc	cgagctctac	360

ccctccatgc	ctctcttcat	ctacggtgct	gttcctgtgg	ccgccagcgc	tgctactgtc	420
ctcctgccag	agaccctggg	ccagccactg	ccagacacgg	tgcaggacct	ggagagcagg	480
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tcagcacaag	agaagaatgg	actctgagga	ctgagaaggg	gccttacaga	accctaaagg	600
gaggggaagg	cctacagggtc	tccggccacc	cacacaagga	ggaggaagag	gaaatggtga	660
cccaagtgtg	ggggttgtgg	ttcaggaaag	catcttccca	ggggtccacc	tccttttata	720
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aactcgaggg	ngggc					795

<210> 33
 <211> 2656
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2652)
 <223> n equals a,t,g, or c

<400> 33						
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tcaggaaaat	caggccaaga	gcattgggtt	actgaattac	cacctgtgtt	aacatttgaa	120
ttgtcaagat	ttgaatttaa	tcaggcattg	ggaagaccag	aaaaaattca	caacaaatta	180
gaatttcccc	aagttttata	tttggacaga	tacatgcaca	gaaacagaga	aataacaaga	240
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gaaagatatt	taagctatgg	ttccgggtccc	aaacgattcc	ccttggtaga	tgttcttcag	360
tatgcattgg	aatttgcctc	aagtaaacct	gtttgcactt	ctcctgttga	cgatattgac	420
gctagtcccc	cacctagtgg	ttccatacca	tcacagacat	taccaagcac	aacagaacaa	480
cagggagccc	tatcttcaga	actgccaaagc	acatcacctt	catcagttgc	tgccatttca	540
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catgccgttt	tagttcacga	aggccaagct	aatgctgggc	actactgggc	atataattttt	840
gatcatcgtg	aaagcagatg	gatgaagtac	aatgatattg	ctgtgacaaa	atcatcatgg	900
gaagagctag	tgagggactc	ttttgggtgg	tatagaaatg	ccagtgcata	ctgtttaatg	960
tacataaatg	ataaggcaca	gttcctaata	caagaggagt	ttaataaaga	aactgggcag	1020
ccccttggtg	gtatagaaac	attaccaccg	gatttgagag	attttggtga	ggaagacaac	1080
caacgatttg	aaaaagaact	agaagaatgg	gatgcacaac	ttgcccagaa	agctttgcag	1140
gaaaagcttt	tagcgtctca	gaaattgaga	gagtcagaga	cttctgtgac	aacagcacaa	1200
gcagcaggag	accagaata	tctagagcag	ccatcaagaa	gtgatttctc	aaagcacttg	1260
aaagaagaaa	ctattcaaat	aattaccaag	gcatcacatg	agcatgaaga	taaaagtcct	1320
gaaacagttt	tgcatcgggc	aattaagttg	gaatatgcaa	ggttggttaa	gttggcccaa	1380
gaagacaccc	caccagaaac	cgattatcgt	ttacatcatg	tagtgggtcta	ctttatccag	1440
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ggcttatata	gaggacatga	tgaagaattg	atatcacatt	atagaagaga	atgtttgcta	1800
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ggtttgatta	tcatgaatga	gtttattgtc	ccatttttgc	cattattact	ggtggatgaa	1920
atggaagaaa	aggatatact	agctgtagaa	gatatgagaa	atcgatggtg	ttcctacctt	1980
ggtcaagaaa	tggaaaccaca	cctccaagaa	aagctgacag	attttttgcc	aaaactgctt	2040
gattgttcta	tggagattaa	aagtttccat	gagccaccga	agttaccttc	atattccacg	2100
catgaactct	gtgagcgatt	tgcccgaatc	atgttgctcc	tcagtcgaac	tcctgtgat	2160
ggaagataaa	ctgcacactt	tccctgaaca	cactgtataa	actcttttta	gttcttaacc	2220
cttgcttccc	tgtcacaggg	tttgcttgtt	gctgctatag	tttttaactt	ttttttattt	2280
taataacygc	aaargacaaa	atgactatac	agactttagt	cagactgcag	acaataaagc	2340
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 <213> Homo sapiens

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<211> 1668
 <212> DNA
 <213> Homo sapiens

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA

<213> Homo sapiens

<400> 37

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<210> 38

<211> 1534

<212> DNA

<213> Homo sapiens

<400> 38

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<210> 39

<211> 1182

<212> DNA

<213> Homo sapiens

<400> 39

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<211> 1841

<212> DNA

<213> Homo sapiens

<400> 40

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<210> 41

<211> 1197

<212> DNA

<213> Homo sapiens

<400> 41

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<210> 42

<211> 602

<212> DNA

<213> Homo sapiens

<400> 42

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<210> 43
 <211> 2492
 <212> DNA
 <213> Homo sapiens

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<210> 44
 <211> 2377
 <212> DNA
 <213> Homo sapiens

<400> 44						60
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<210> 45

<211> 74

<212> PRT

<213> Homo sapiens

<400> 45

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Phe	Thr	Leu	Val	Ser	Lys	Leu	Phe	Ile	Pro	Leu	Lys	Ser	Ser	Met	Asp
		20					25						30		

Gly	Glu	Met	Ser	Leu	Asp	Pro	His	Ser	Cys	Val	Leu	Val	Cys	Ile	Cys
		35					40					45			

Phe	Pro	Leu	Arg	Phe	Val	Phe	Val	Ser	Cys	Phe	Glu	Leu	Tyr	Leu	Val
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Gln	Ser	Ile	Val	Lys	Leu	Ser	Gln	Gln	Leu
65						70			

<210> 46

<211> 77
 <212> PRT
 <213> Homo sapiens

<400> 46
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 Val Leu Ile Leu Phe Cys Leu Val Tyr Ser Leu Gln Cys Ile Gln Pro
 20 25 30
 Tyr Ser Ser Leu Leu Asn Ser Ala Ser Leu Pro Tyr His His Gly Leu
 35 40 45
 Lys Leu Ala Asn Leu Leu Leu Ile Val Phe Tyr Pro His Ile His Ser
 50 55 60
 Ile Pro Phe Ser Ser Ser His Pro Ser Lys Leu His Ile
 65 70 75

<210> 47
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 47
 Met Asp Leu Leu Gln Val Cys Phe Phe Leu Phe Phe Ser His Leu Trp
 1 5 10 15
 Ser Trp Thr Glu Gly Lys Leu Pro Cys Asn Phe Pro Gly Pro Val Gly
 20 25 30
 Arg Val Phe Leu Ser Pro Phe Gln Met Leu Gly Phe Lys Gln
 35 40 45

<210> 48
 <211> 101
 <212> PRT
 <213> Homo sapiens

<400> 48
 Met Ala Phe Trp Phe Thr Gly Leu Pro Leu Leu Ser Leu Ile Leu Leu
 1 5 10 15
 Cys Ile Gly Arg Val Phe Leu Gly Val Gly Glu Ser Phe Ala Ser Thr
 20 25 30
 Gly Ser Thr Leu Trp Gly Ile Gly Leu Val Gly Pro Leu His Thr Ala
 35 40 45
 Arg Val Ile Ser Trp Asn Gly Val Ala Thr Tyr Gly Ala Met Ala Ala
 50 55 60
 Gly Ala Pro Leu Gly Val Tyr Leu Asn Gln His Trp Gly Leu Ala Gly
 65 70 75 80
 Val Ala Ala Leu Ile Val Leu Ala Val Ala Val Ser Leu Trp Leu Ala
 85 90 95
 Ser Ala Asn Pro Thr
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<210> 49
<211> 381
<212> PRT
<213> Homo sapiens

<220>
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<222> (67)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (139)
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<220>
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<222> (141)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (165)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (194)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (361)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 49
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Ser Cys Ala Val Ser Asn Gln Leu Leu Val Trp Tyr Pro Ala Thr Ala
      20               25               30

Leu Ala Asp Asn Lys Pro Val Ala Pro Asp Arg Arg Ile Ser Gly His
    35               40               45

Val Gly Ile Ile Phe Ser Met Ser Tyr Leu Glu Ser Lys Gly Leu Leu
    50               55               60

Ala Thr Xaa Ser Glu Asp Arg Ser Val Arg Ile Trp Lys Val Gly Asp
    65               70               75               80

Leu Arg Val Pro Gly Gly Arg Val Gln Asn Ile Gly His Cys Phe Gly
      85               90               95

His Ser Ala Arg Val Trp Gln Val Lys Leu Leu Glu Asn Tyr Leu Ile

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100					105					110					
Ser	Ala	Gly	Glu	Asp	Cys	Val	Cys	Leu	Val	Trp	Ser	His	Glu	Gly	Glu
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Ile	Leu	Gln	Ala	Phe	Arg	Gly	His	Gln	Gly	Xaa	Gly	Xaa	Arg	Ala	Ile
	130					135					140				
Ala	Ala	His	Glu	Arg	Gln	Ala	Trp	Val	Ile	Thr	Gly	Gly	Asp	Asp	Ser
145					150					155					160
Arg	His	Arg	Leu	Xaa	His	Leu	Val	Gly	Arg	Gly	Tyr	Arg	Gly	Leu	Gly
			165					170						175	
Val	Ser	Ala	Leu	Cys	Phe	Lys	Ser	Arg	Ser	Arg	Pro	Gly	Thr	Leu	Lys
			180					185					190		
Ala	Xaa	Thr	Leu	Ala	Gly	Ser	Trp	Arg	Leu	Leu	Ala	Val	Thr	Asp	Thr
		195					200					205			
Gly	Ala	Leu	Tyr	Leu	Tyr	Asp	Val	Glu	Val	Lys	Cys	Trp	Glu	Gln	Leu
	210					215					220				
Leu	Glu	Asp	Lys	His	Phe	Gln	Ser	Tyr	Cys	Leu	Leu	Glu	Ala	Ala	Pro
225					230					235					240
Gly	Pro	Glu	Gly	Phe	Gly	Leu	Cys	Ala	Met	Ala	Asn	Gly	Glu	Gly	Arg
				245					250					255	
Val	Lys	Val	Val	Pro	Ile	Asn	Thr	Pro	Thr	Ala	Ala	Val	Asp	Gln	Thr
			260					265					270		
Leu	Phe	Pro	Gly	Lys	Val	His	Ser	Leu	Ser	Trp	Ala	Leu	Arg	Gly	Tyr
		275					280					285			
Glu	Glu	Leu	Leu	Leu	Leu	Ala	Ser	Gly	Pro	Gly	Gly	Val	Val	Ala	Cys
	290					295					300				
Leu	Glu	Ile	Ser	Ala	Ala	Pro	Ser	Gly	Lys	Ala	Ile	Phe	Val	Lys	Glu
305					310					315					320
Arg	Cys	Arg	Tyr	Leu	Leu	Pro	Pro	Ser	Lys	Gln	Arg	Trp	His	Thr	Cys
				325					330					335	
Ser	Ala	Phe	Leu	Pro	Pro	Gly	Xaa	Phe	Leu	Val	Cys	Gly	Asp	Arg	Arg
			340					345					350		
Gly	Ser	Val	Leu	Leu	Phe	Pro	Ser	Xaa	Pro	Gly	Leu	Leu	Lys	Asp	Pro
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1						5			10					15	

Phe Leu Val Val Val Ser Leu Pro Trp Pro Cys Val Leu Phe Gln Met
20 25 30

His Tyr Pro Arg Thr Val Thr Pro Thr Leu Thr Glu Tyr
35 40 45

<210> 51
<211> 168
<212> PRT
<213> Homo sapiens

<220>
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<222> (60)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (64)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
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<222> (132)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 51
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Met Met Val Trp Met Val Thr Ile Ile Gly Tyr Thr Leu Gly Ile Pro
20 25 30

Asp Val Ile Met Gly Ile Thr Phe Leu Ala Ala Gly Thr Ser Val Pro
35 40 45

Asp Cys Met Ala Ser Leu Ile Val Ala Arg Gln Xaa Met Gly Asp Xaa
50 55 60

Ala Val Ser Asn Ser Ile Gly Ser Asn Val Phe Asp Ile Leu Ile Gly
65 70 75 80

Leu Gly Leu Pro Trp Ala Leu Gln Thr Leu Ala Val Asp Tyr Gly Ser
85 90 95

Tyr Ile Arg Leu Asn Ser Arg Gly Leu Ile Tyr Ser Val Gly Leu Leu
100 105 110

Leu Ala Ser Val Phe Val Thr Val Phe Gly Val His Leu Asn Lys Trp
115 120 125

Gln Leu Asp Xaa Lys Leu Gly Cys Gly Cys Leu Leu Leu Tyr Gly Val
130 135 140

Phe Leu Cys Phe Ser Ile Met Thr Glu Phe Asn Val Phe Thr Phe Val
145 150 155 160

Asn Leu Pro Met Cys Gly Asp His
165

<210> 52
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 52
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 Arg Ala Gln Val Leu Lys Leu Val Val Leu Ser Phe Val Ser Ala Phe
 20 25 30
 Ser Pro Val His Tyr Pro Pro Pro Leu Leu Leu Lys Gln Ser Arg Leu
 35 40 45

Asn

<210> 53
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 53
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 His Leu Ile Ile Leu Gln Phe Phe Cys Ser Val Cys Ser Glu Pro Asp
 20 25 30
 Thr Ala Leu Ser Ile Ser Pro Leu
 35 40

<210> 54
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 54
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 Phe Pro Cys Ala His Cys Val Tyr Leu Leu His Ile Ser Cys Ser Leu
 20 25 30
 Gly Glu Glu Ser Phe Asn Arg Asp Thr Cys Lys Lys Asp Phe Cys Phe
 35 40 45
 Ser Ile Gln Asn Val Asn Ser Thr Phe Leu Leu Ser Leu Ala Val Phe
 50 55 60
 Arg Phe Ser Glu Arg Phe Ser Asp Ser Asn Phe Leu Phe Thr Thr Pro
 65 70 75 80
 Pro Ile Cys Ser Glu Lys Asn Gly Leu Leu Tyr His Trp Ile
 85 90

<210> 55
 <211> 484
 <212> PRT
 <213> Homo sapiens

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<220>
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<222> (322)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (345)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (374)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 55
Met Val Ala Thr Val Cys Gly Leu Leu Val Phe Leu Ser Leu Gly Leu
 1              5              10              15
Val Pro Pro Val Arg Cys Leu Phe Ala Leu Ser Val Pro Thr Leu Gly
      20              25              30
Met Glu Gln Gly Arg Arg Leu Leu Leu Ser Tyr Ser Thr Ala Thr Leu
      35              40              45
Ala Ile Ala Val Val Pro Asn Val Leu Ala Asn Val Gly Ala Ala Gly
      50              55              60
Gln Val Leu Arg Cys Val Thr Glu Gly Ser Leu Glu Ser Leu Leu Asn
      65              70              75              80
Thr Thr His Gln Leu His Ala Ala Ser Arg Ala Leu Gly Pro Thr Gly
      85              90              95
Gln Ala Gly Ser Arg Gly Leu Thr Phe Glu Ala Gln Asp Asn Gly Ser
      100              105              110
Ala Phe Tyr Leu His Met Leu Thr Val Thr Gln Gln Val Leu Glu Asp
      115              120              125
Phe Ser Gly Leu Glu Ser Leu Ala Arg Ala Ala Ala Leu Gly Thr Gln
      130              135              140
Arg Val Val Thr Gly Leu Phe Met Leu Gly Leu Leu Val Glu Ser Ala
      145              150              155              160
Trp Tyr Leu His Cys Tyr Leu Thr Asp Leu Arg Phe Asp Asn Ile Tyr
      165              170              175
Ala Thr Gln Gln Leu Thr Gln Arg Leu Ala Gln Ala Gln Ala Thr His
      180              185              190
Leu Leu Ala Pro Pro Pro Thr Trp Leu Leu Gln Ala Ala Gln Leu Arg
      195              200              205
Leu Ser Gln Glu Glu Leu Leu Ser Cys Leu Leu Arg Leu Gly Leu Leu
      210              215              220
Ala Leu Leu Leu Val Ala Thr Ala Val Ala Val Ala Thr Asp His Val
      225              230              235              240

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Ala Phe Leu Leu Ala Gln Ala Thr Val Asp Trp Ala Gln Lys Leu Pro
 245 250 255
 Thr Val Pro Ile Thr Leu Thr Val Lys Tyr Asp Val Ala Tyr Thr Val
 260 265 270
 Leu Gly Phe Ile Pro Phe Leu Phe Asn Gln Leu Ala Pro Glu Ser Pro
 275 280 285
 Phe Leu Ser Val His Ser Ser Tyr Gln Trp Glu Leu Arg Leu Thr Ser
 290 295 300
 Ala Arg Cys Pro Leu Leu Pro Ala Arg Arg Pro Arg Ala Ala Ala Pro
 305 310 315 320
 Leu Xaa Ala Gly Gly Leu Gln Leu Leu Ala Gly Ser Thr Val Leu Leu
 325 330 335
 Glu Gly Tyr Ala Arg Arg Leu Arg Xaa Ala Ile Ala Ala Ser Phe Phe
 340 345 350
 Thr Ala Gln Glu Ala Arg Arg Ile Arg His Leu His Ala Arg Leu Gln
 355 360 365
 Arg Arg His Asp Arg Xaa Gln Gly Gln Gln Leu Pro Leu Gly Asp Pro
 370 375 380
 Ser Cys Val Pro Thr Pro Arg Pro Ala Cys Lys Pro Pro Ala Trp Ile
 385 390 395 400
 Ala Tyr Arg Leu Asp Ala Leu Arg Thr Glu Ser Ser Glu Gly Glu Gly
 405 410 415
 Lys Glu Leu Trp Ser Cys Arg Asp Leu Ser Cys His Leu Gly Pro Val
 420 425 430
 Pro Pro Pro Cys Val Thr Leu Gly Lys Ser Leu His Leu Ser Glu Pro
 435 440 445
 Arg Phe Leu His Leu His Asn Asp Ser Ile Phe Thr Ile Asp Val Thr
 450 455 460
 Tyr Phe Pro Arg Arg Asp Val Val Arg Met Glu Gly Asn Thr Gly His
 465 470 475 480

Asp Arg Pro Gly

<210> 56

<211> 114

<212> PRT

<213> Homo sapiens

<400> 56

Met Pro Ile His Lys Thr Lys Ile Ser Cys Val Phe Leu Leu Leu Ser
 1 5 10 15

Leu Lys Trp His Trp Met Thr Asn Gly Lys Leu Asp Ala Ala Leu Asn
 20 25 30

Val Pro Leu Gly Phe Arg Gly Phe Gln Ser Gln Trp Thr Gly Gly Gly

35 40 45
 Leu Cys Gln Cys Leu Ser Gly Val Cys Leu Cys His Cys Gly Ala Ala
 50 55 60
 Trp Ala Thr Asp Leu Gly Arg Thr Leu Gly Asp Gly Ala Pro Val Trp
 65 70 75 80
 Trp Val Cys Val Gly Ser Ala Val Pro Val His Val Arg Lys Ala Leu
 85 90 95
 Leu Leu Tyr Thr Glu Ser Cys Ser Leu Ser Thr Thr Asp Arg Ser Pro
 100 105 110

Leu Pro

<210> 57
 <211> 49
 <212> PRT
 <213> Homo sapiens

<400> 57
 Met Ser Arg Ala Pro Cys Ala Ser Ser Ile Leu Val Leu Thr Leu Ile
 1 5 10 15
 Val Thr Leu Leu Val Leu Leu Cys Ser Val Lys Ile Cys Asn Trp Leu
 20 25 30
 Arg Ile Thr Val Gly Val His Ser Tyr Ser Thr Lys Ser Pro Gln Val
 35 40 45

Phe

<210> 58
 <211> 171
 <212> PRT
 <213> Homo sapiens

<400> 58
 Met Lys Lys Cys Leu Leu Pro Val Leu Ile Thr Cys Met Gln Thr Ala
 1 5 10 15
 Ile Cys Lys Asp Arg Met Met Met Ile Met Ile Leu Leu Val Asn Tyr
 20 25 30
 Arg Pro Asp Glu Phe Ile Glu Cys Glu Asp Pro Val Asp His Val Gly
 35 40 45
 Asn Ala Thr Ala Ser Gln Glu Leu Gly Tyr Gly Cys Leu Lys Phe Gly
 50 55 60
 Gly Gln Ala Tyr Ser Asp Val Glu His Thr Ser Val Gln Cys His Ala
 65 70 75 80
 Leu Asp Gly Ile Glu Cys Ala Ser Pro Arg Thr Phe Leu Arg Glu Asn
 85 90 95
 Lys Pro Cys Ile Lys Tyr Thr Gly His Tyr Phe Ile Thr Thr Leu Leu
 100 105 110

Tyr Ser Phe Phe Leu Gly Cys Phe Gly Val Asp Arg Phe Cys Leu Gly
115 120 125

His Thr Gly Thr Ala Val Gly Lys Leu Leu Thr Leu Gly Gly Leu Gly
130 135 140

Ile Trp Trp Phe Val Asp Leu Ile Leu Leu Ile Thr Gly Gly Leu Met
145 150 155 160

Pro Ser Asp Gly Ser Asn Trp Cys Thr Val Tyr
165 170

<210> 59
<211> 125
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (101)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 59
Met Leu Ser Gln Pro Arg Met Glu Ser Leu Asp Thr Pro Ala Ala Tyr
1 5 10 15

Ser Leu Gly Leu Ala Leu Leu Gly Leu Gly Val Val Leu Val Leu Ser
20 25 30

Ser Phe Phe Ala Leu Gly Phe Ala Gly Thr Phe Leu Gly Asp Tyr Phe
35 40 45

Gly Ile Leu Lys Glu Ala Arg Val Thr Val Phe Pro Phe Asn Ile Leu
50 55 60

Asp Asn Pro Met Tyr Trp Gly Ser Thr Ala Asn Tyr Leu Gly Trp Ala
65 70 75 80

Ile Met His Ala Ser Pro Thr Gly Leu Leu Leu Thr Val Leu Val Ala
85 90 95

Leu Thr Tyr Ile Xaa Ala Leu Leu Tyr Glu Glu Pro Phe Thr Ala Glu
100 105 110

Ile Tyr Arg Gln Lys Ala Ser Gly Ser His Lys Arg Ser
115 120 125

<210> 60
<211> 310
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (142)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 60
Met Leu Leu Trp Leu Leu Gly Trp Leu Glu Cys Val His Asn Ser Arg
1 5 10 15

Arg	Ser	Gln	Gly	Leu	Pro	Pro	His	Tyr	Asp	Asp	Val	Glu	Val	Phe	Ile		
			20					25					30				
Leu	Gln	Leu	Glu	Gly	Glu	Lys	His	Trp	Arg	Leu	Tyr	His	Pro	Thr	Val		
		35					40					45					
Pro	Leu	Ala	Arg	Glu	Tyr	Ser	Val	Glu	Ala	Glu	Glu	Arg	Ile	Gly	Arg		
	50					55					60						
Pro	Val	His	Glu	Phe	Met	Leu	Lys	Pro	Gly	Asp	Leu	Leu	Tyr	Phe	Pro		
	65				70					75					80		
Arg	Gly	Thr	Ile	His	Gln	Ala	Asp	Thr	Pro	Ala	Gly	Leu	Ala	His	Ser		
				85					90					95			
Thr	His	Val	Thr	Ile	Ser	Thr	Tyr	Gln	Asn	Asn	Ser	Trp	Gly	Asp	Phe		
			100					105					110				
Leu	Leu	Asp	Thr	Ile	Ser	Gly	Leu	Val	Phe	Asp	Thr	Ala	Lys	Glu	Asp		
		115					120					125					
Val	Glu	Leu	Arg	Thr	Gly	Ile	Pro	Arg	Gln	Leu	Leu	Leu	Xaa	Val	Glu		
	130					135					140						
Ser	Thr	Thr	Val	Ala	Thr	Arg	Arg	Leu	Ser	Gly	Phe	Leu	Arg	Thr	Leu		
	145				150					155					160		
Ala	Asp	Arg	Leu	Glu	Gly	Thr	Lys	Glu	Leu	Leu	Ser	Ser	Asp	Met	Lys		
				165				170						175			
Lys	Asp	Phe	Ile	Met	His	Arg	Leu	Pro	Pro	Tyr	Ser	Ala	Gly	Asp	Gly		
		180						185					190				
Ala	Glu	Leu	Ser	Thr	Pro	Gly	Gly	Lys	Leu	Pro	Arg	Leu	Asp	Ser	Val		
		195					200					205					
Val	Arg	Leu	Gln	Phe	Lys	Asp	His	Ile	Val	Leu	Thr	Val	Leu	Pro	Asp		
	210					215					220						
Gln	Asp	Gln	Ser	Asp	Glu	Ala	Gln	Glu	Lys	Met	Val	Tyr	Ile	Tyr	His		
	225				230					235					240		
Ser	Leu	Lys	Asn	Ser	Arg	Glu	Thr	His	Met	Met	Gly	Asn	Glu	Glu	Glu		
			245						250				255				
Thr	Glu	Phe	His	Gly	Leu	Arg	Phe	Pro	Leu	Ser	His	Leu	Asp	Ala	Leu		
		260						265					270				
Lys	Gln	Ile	Trp	Asn	Ser	Pro	Ala	Ile	Ser	Val	Lys	Asp	Leu	Lys	Leu		
		275					280					285					
Thr	Thr	Asp	Glu	Glu	Lys	Glu	Ser	Leu	Val	Leu	Ser	Leu	Trp	Thr	Glu		
	290					295					300						
Cys	Leu	Ile	Gln	Val	Val												
	305				310												

<210> 61
 <211> 163
 <212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (2)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 61

Met Xaa Gly Leu Leu Leu Ala Ala Phe Leu Ala Leu Val Ser Val Pro
1 5 10 15

Arg Ala Gln Ala Val Trp Leu Gly Arg Leu Asp Pro Glu Gln Leu Leu
20 25 30

Gly Pro Trp Tyr Val Leu Ala Val Ala Ser Arg Glu Lys Gly Phe Ala
35 40 45

Met Glu Lys Asp Met Lys Asn Val Val Gly Val Val Val Thr Leu Thr
50 55 60

Pro Glu Asn Asn Leu Arg Thr Leu Ser Ser Gln His Gly Leu Gly Gly
65 70 75 80

Cys Asp Gln Ser Val Met Asp Leu Ile Lys Arg Asn Ser Gly Trp Val
85 90 95

Phe Glu Asn Pro Ser Ile Gly Val Leu Glu Leu Trp Val Leu Ala Thr
100 105 110

Asn Phe Arg Asp Tyr Ala Ile Ile Phe Thr Gln Leu Glu Phe Gly Asp
115 120 125

Glu Pro Phe Asn Thr Val Glu Leu Tyr Ser Leu Thr Glu Thr Ala Ser
130 135 140

Gln Glu Ala Met Gly Leu Phe Thr Lys Trp Ser Arg Ser Leu Gly Phe
145 150 155 160

Leu Ser Gln

<210> 62

<211> 239

<212> PRT

<213> Homo sapiens

<400> 62

Met Arg Ala Leu Arg Arg Leu Ile Gln Gly Arg Ile Leu Leu Leu Thr
1 5 10 15

Ile Cys Ala Ala Gly Ile Gly Gly Thr Phe Gln Phe Gly Tyr Asn Leu
20 25 30

Ser Ile Ile Asn Ala Pro Thr Leu His Ile Gln Glu Phe Thr Asn Glu
35 40 45

Thr Trp Gln Ala Arg Thr Gly Glu Pro Leu Pro Asp His Leu Val Leu
50 55 60

Leu Met Trp Ser Leu Ile Val Ser Leu Tyr Pro Leu Gly Gly Leu Phe
65 70 75 80

Gly Ala Leu Leu Ala Gly Pro Leu Ala Ile Thr Leu Gly Arg Lys Lys
 85 90 95
 Ser Leu Leu Val Asn Asn Ile Phe Val Val Ser Ala Ala Ile Leu Phe
 100 105 110
 Gly Phe Ser Arg Lys Ala Gly Ser Phe Glu Met Ile Met Leu Gly Arg
 115 120 125
 Leu Leu Val Gly Val Asn Ala Gly Val Ser Met Asn Ile Gln Pro Met
 130 135 140
 Tyr Leu Gly Glu Ser Ala Pro Lys Glu Leu Arg Gly Ala Val Ala Met
 145 150 155 160
 Ser Ser Ala Ile Phe Thr Ala Leu Gly Ile Val Met Gly Gln Val Val
 165 170 175
 Gly Leu Ser Thr Thr Ala Ala Pro Gly Leu Arg Gly Leu Gly Arg Gly
 180 185 190
 Ala Gly Gly Ala Gly Gly Gly Ala Arg Cys Leu Pro Gly Leu Pro Cys
 195 200 205
 Pro Ala Pro Met Gly Ala Val Pro Ala Ser Gly Pro Glu Glu Thr Gly
 210 215 220
 Asp Lys Pro Arg Gly Ser Gly Gln Cys His Gly Ala Leu Arg Glu
 225 230 235

<210> 63
 <211> 129
 <212> PRT
 <213> Homo sapiens

<400> 63
 Met Glu Arg Trp Val Asp Asp Ala Phe Trp Ser Phe Leu Phe Ser Leu
 1 5 10 15
 Ile Leu Ile Val Ile Met Phe Leu Trp Arg Pro Ser Ala Asn Asn Gln
 20 25 30
 Arg Tyr Ala Phe Met Pro Leu Ile Asp Asp Ser Asp Asp Glu Ile Glu
 35 40 45
 Glu Phe Met Val Thr Ser Glu Asn Leu Thr Glu Gly Ile Lys Leu Arg
 50 55 60
 Ala Ser Lys Ser Val Ser Asn Gly Thr Ala Lys Pro Ala Thr Ser Glu
 65 70 75 80
 Asn Phe Asp Glu Asp Leu Lys Trp Val Glu Glu Asn Ile Pro Ser Ser
 85 90 95
 Phe Thr Asp Val Ala Leu Pro Val Leu Val Asp Ser Asp Glu Glu Ile
 100 105 110

Met Thr Arg Ser Glu Met Ala Glu Lys Met Phe Ser Ser Glu Lys Ile
 115 120 125

Met

<210> 64
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 64
 Met Phe Glu Cys Val Ile Leu Val Ser Phe Leu Val Val Phe Val Val
 1 5 10 15

Val Arg Cys Val Gly Leu Ile Pro Thr Gly Gln Ser Lys Glu Phe Gln
 20 25 30

His Pro Leu Pro Ala Cys Ser Cys Tyr Pro Thr Asp Gln Thr Leu Asn
 35 40 45

Ser Ser Trp Gly Cys Cys Leu Ala Pro His His Asp
 50 55 60

<210> 65
 <211> 381
 <212> PRT
 <213> Homo sapiens

<400> 65
 Met Leu Leu Ser Ile Gly Met Leu Met Leu Ser Ala Thr Gln Val Tyr
 1 5 10 15

Thr Ile Leu Thr Val Gln Leu Phe Ala Phe Leu Asn Leu Leu Pro Val
 20 25 30

Glu Ala Asp Ile Leu Ala Tyr Asn Phe Glu Asn Ala Ser Gln Thr Phe
 35 40 45

Asp Asp Leu Pro Ala Arg Phe Gly Tyr Arg Leu Pro Ala Glu Gly Leu
 50 55 60

Lys Gly Phe Leu Ile Asn Ser Lys Pro Glu Asn Ala Cys Glu Pro Ile
 65 70 75 80

Val Pro Pro Pro Val Lys Asp Asn Ser Ser Gly Thr Phe Ile Val Leu
 85 90 95

Ile Arg Arg Leu Asp Cys Asn Phe Asp Ile Lys Val Leu Asn Ala Gln
 100 105 110

Arg Ala Gly Tyr Lys Ala Ala Ile Val His Asn Val Asp Ser Asp Asp
 115 120 125

Leu Ile Ser Met Gly Ser Asn Asp Ile Glu Val Leu Lys Lys Ile Asp
 130 135 140

Ile Pro Ser Val Phe Ile Gly Glu Ser Ser Ala Asn Ser Leu Lys Asp
 145 150 155 160

Glu Phe Thr Tyr Glu Lys Gly Gly His Leu Ile Leu Val Pro Glu Phe

	165		170		175										
Ser	Leu	Pro	Leu	Glu	Tyr	Tyr	Leu	Ile	Pro	Phe	Leu	Ile	Ile	Val	Gly
	180							185					190		
Ile	Cys	Leu	Ile	Leu	Ile	Val	Ile	Phe	Met	Ile	Thr	Lys	Phe	Val	Gln
	195						200					205			
Asp	Arg	His	Arg	Ala	Arg	Arg	Asn	Arg	Leu	Arg	Lys	Asp	Gln	Leu	Lys
	210						215				220				
Lys	Leu	Pro	Val	His	Lys	Phe	Lys	Lys	Gly	Asp	Glu	Tyr	Asp	Val	Cys
225					230				235						240
Ala	Ile	Cys	Leu	Asp	Glu	Tyr	Glu	Asp	Gly	Asp	Lys	Leu	Arg	Ile	Leu
				245					250					255	
Pro	Cys	Ser	His	Ala	Tyr	His	Cys	Lys	Cys	Val	Asp	Pro	Trp	Leu	Thr
			260					265					270		
Lys	Thr	Lys	Lys	Thr	Cys	Pro	Val	Cys	Lys	Gln	Lys	Val	Val	Pro	Ser
	275						280					285			
Gln	Gly	Asp	Ser	Asp	Ser	Asp	Thr	Asp	Ser	Ser	Gln	Glu	Glu	Asn	Glu
	290					295					300				
Val	Thr	Glu	His	Thr	Pro	Leu	Leu	Arg	Pro	Leu	Ala	Ser	Val	Ser	Ala
305					310					315					320
Gln	Ser	Phe	Gly	Ala	Leu	Ser	Glu	Ser	Arg	Ser	His	Gln	Asn	Met	Thr
				325					330					335	
Glu	Ser	Ser	Asp	Tyr	Glu	Glu	Asp	Asp	Asn	Glu	Asp	Thr	Asp	Ser	Ser
			340					345					350		
Asp	Ala	Glu	Asn	Glu	Ile	Asn	Glu	His	Asp	Val	Val	Val	Gln	Leu	Gln
	355						360					365			
Pro	Asn	Gly	Glu	Arg	Asp	Tyr	Asn	Ile	Ala	Asn	Thr	Val			
	370					375					380				

<210> 66

<211> 53

<212> PRT

<213> Homo sapiens

<400> 66

Met	Ala	Ala	Leu	Leu	Leu	Ala	Gly	Ile	Cys	Ile	Leu	Leu	Asn	Gly	Val
1				5					10					15	

Ile	Pro	Gln	Asp	Gln	Ser	Ile	Val	Arg	Thr	Ser	Leu	Ala	Val	Leu	Gly
			20					25					30		

Lys	Gly	Cys	Leu	Ala	Ala	Ser	Phe	Asn	Cys	Ile	Phe	Leu	Tyr	Thr	Gly
		35					40					45			

Asn	Cys	Ile	Pro	Gln
	50			

<210> 67

<211> 63

<212> PRT

<213> Homo sapiens

<400> 67

Met His Trp Asn Leu Pro Gln Val Asn Leu Phe Ala Leu Leu Leu Leu
1 5 10 15
Thr Ile Leu Thr Leu Val Pro His Leu Val Val Pro Tyr His His Arg
20 25 30
His Tyr Gln Ala Gln Gln Asn Asn Arg Glu Pro Tyr Leu Gln Asn Cys
35 40 45
Gln Ala His His Leu His Gln Leu Leu Pro Phe His Arg Asp Gln
50 55 60

<210> 68

<211> 106

<212> PRT

<213> Homo sapiens

<400> 68

Met Phe Cys Phe Tyr Leu Asn Tyr Phe Thr Asn Leu Phe Leu Phe Leu
1 5 10 15
Thr Cys Ser Arg Ser Glu Ser Leu Ser Ser Pro Thr Gly Pro Tyr Ser
20 25 30
Gly Phe Pro Phe Leu Lys Ser Pro Pro Val Arg Asn Ser Leu Asn Lys
35 40 45
Gly Pro Leu Leu Val Gln Tyr Tyr Ser Phe Ser Ser His Leu Arg Val
50 55 60
Pro Arg Lys Lys Lys Gln Val Ile Arg Val Pro Val Arg Val Pro Pro
65 70 75 80
Lys Ser Pro Ala Met Ser Pro Pro Ser Ser Pro Arg Phe His Phe Phe
85 90 95
Thr Phe Ser Gly Pro Phe Pro Asn Ser Tyr
100 105

<210> 69

<211> 44

<212> PRT

<213> Homo sapiens

<400> 69

Met Arg Lys Thr Ala Trp Leu Cys Phe Phe Phe Gln Leu Cys Gly Leu
1 5 10 15
Gly Gln Val Thr Ser Leu Gln Tyr Arg Asn Cys Asn Val Glu Ile Lys
20 25 30
Pro Ser Leu Val Arg Gly Thr His Arg Ser Ile Pro
35 40

<210> 70
 <211> 42
 <212> PRT
 <213> Homo sapiens

 <400> 70
 Met Asn Leu Leu Leu Val Ser Thr Trp Met Met Leu Ile Gln Glu
 1 5 10 15
 Gly Ser Cys Phe His Met Thr Leu Met Asn Glu Leu Ala Lys Arg Cys
 20 25 30
 Tyr Trp Ser Tyr Phe Val Arg Ser His Ile
 35 40

 <210> 71
 <211> 57
 <212> PRT
 <213> Homo sapiens

 <400> 71
 Met Pro Cys Thr Cys Thr Trp Arg Asn Trp Arg Gln Trp Ile Arg Pro
 1 5 10 15
 Leu Val Ala Val Ile Tyr Leu Val Ser Ile Val Val Ala Val Pro Leu
 20 25 30
 Cys Val Trp Glu Leu Gln Lys Leu Glu Val Gly Ile His Thr Lys Ala
 35 40 45
 Trp Phe Ile Ala Gly Ile Phe Leu Leu
 50 55

 <210> 72
 <211> 44
 <212> PRT
 <213> Homo sapiens

 <400> 72
 Met Lys Ser His Ala Thr Leu Thr Gly Gly Ser Gly Phe Tyr Phe Ile
 1 5 10 15
 Glu Leu Ser Phe Leu Leu Leu Arg Ser Val Leu Leu Val Leu Val Leu
 20 25 30
 Leu Trp Gln Phe Pro Lys Ser Leu Thr Gly Gln Glu
 35 40

 <210> 73
 <211> 70
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> MISC_FEATURE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <220>
 <221> MISC_FEATURE
 <222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (49)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (52)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (56)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 73
 Met Gly Ile Phe Ser Thr Leu Leu Leu Ala Ser Asp Ser Leu Leu Asn
 1 5 10 15
 Leu Ile Leu Phe Phe Phe Ile Phe Ala Phe Ser Val Lys Leu Ser Ser
 20 25 30
 Ser Ser Phe Pro Ser Cys Cys Val Ser Val Xaa Xaa Leu Ser Val Ile
 35 40 45
 Xaa Glu Ser Xaa Ser Ser His Xaa Ala Thr Cys Ala His Thr Ser Leu
 50 55 60
 Ser Gly Thr Pro Val Met
 65 70

<210> 74
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 74
 Met Met Ser Pro Ser Gly Ile Ile Val Tyr Val Ser Ala Thr Pro His
 1 5 10 15
 Ile Leu Leu Cys Ile Leu Ile Thr Phe Met Leu Ala Ile Pro Ser Ile
 20 25 30
 His Asn Gly Arg Val Cys Val Leu Phe Ile Phe
 35 40

<210> 75
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 75
 Met His Val His Cys Phe Ala Ile His Val Leu Phe His Phe Cys Ser
 1 5 10 15
 Thr Ile Ser Ala Asp Ala Leu Ser Phe Cys Ile Phe Cys Tyr Gly Pro
 20 25 30
 Gln Thr Leu Ile Asp Met Tyr Trp Asn Ser

35

40

<210> 76

<211> 177

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 76

Met	Phe	Gln	Val	Arg	Pro	Gly	Trp	Gln	Leu	Leu	Leu	Val	Met	Phe	Ser
1				5					10					15	

Ser	Cys	Ala	Val	Ser	Asn	Gln	Leu	Leu	Val	Trp	Tyr	Pro	Ala	Thr	Ala
			20				25						30		

Leu	Ala	Asp	Asn	Lys	Pro	Val	Ala	Pro	Asp	Arg	Arg	Ile	Ser	Gly	His
		35					40					45			

Val	Gly	Ile	Ile	Phe	Ser	Met	Ser	Tyr	Leu	Glu	Ser	Lys	Gly	Leu	Leu
	50					55					60				

Ala	Thr	Xaa	Ser	Glu	Asp	Arg	Ser	Val	Arg	Ile	Trp	Lys	Val	Gly	Asp
65					70				75						80

Leu	Arg	Val	Pro	Gly	Gly	Arg	Val	Gln	Asn	Ile	Gly	His	Cys	Phe	Gly
				85					90					95	

His	Ser	Ala	Arg	Val	Trp	Gln	Val	Lys	Leu	Leu	Glu	Asn	Tyr	Leu	Ile
			100					105					110		

Ser	Ala	Gly	Glu	Asp	Cys	Val	Cys	Leu	Val	Trp	Ser	His	Glu	Gly	Glu
		115					120					125			

Ile	Leu	Gln	Ala	Phe	Arg	Gly	His	Gln	Asp	Val	Tyr	Pro	Val	Val	Val
	130					135					140				

Gly	Ala	Glu	Ile	His	Ala	Glu	Leu	Tyr	Gln	Glu	Leu	Ala	Tyr	Leu	Glu
145					150					155					160

Thr	Glu	Thr	Glu	Ser	Leu	Ala	His	Leu	Phe	Ala	Leu	Val	Pro	Arg	Pro
				165					170					175	

Glu

<210> 77

<211> 48

<212> PRT

<213> Homo sapiens

<400> 77

Met	Val	Thr	Phe	Ala	Ser	Ser	Thr	Leu	Trp	Ile	Ala	Ala	Phe	Ser	Tyr
1				5					10					15	

Met	Met	Val	Trp	Met	Val	Thr	Ile	Ile	Gly	Tyr	Thr	Leu	Gly	Ile	Pro
			20					25					30		

Asp Val Ile Met Gly Asp His Leu Pro Gly Cys Trp Asp Gln Arg Ala
 35 40 45

<210> 78
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 78
 Met Leu Leu Ser Ile Gly Met Leu Met Leu Ser Ala Thr Gln Val Tyr
 1 5 10 15

Thr Ile Leu Thr Val Gln Leu Phe Ala Phe Leu Asn Leu Leu Pro Val
 20 25 30

Glu Ala Asp Ile Leu Ala Tyr Asn Phe Glu Asn Ala Ser Gln Thr Phe
 35 40 45

Asp Asp Leu Pro Ala Arg Phe Gly Tyr Arg Leu Pro Ala Glu Gly Leu
 50 55 60

Lys Gly Phe Leu Ile Asn Ser Lys Pro Glu Asn Ala Cys Glu Pro Ile
 65 70 75 80

Val Pro Pro Pro Val Lys Asp Asn Ser Ser Gly His Phe His Arg Val
 85 90 95

Asn

<210> 79
 <211> 14
 <212> PRT
 <213> Homo sapiens

<400> 79
 Asn Tyr Phe Pro Val His Thr Val Gln Pro Asn Trp Tyr Val
 1 5 10

<210> 80
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 80
 Pro Val Phe Thr Val Asn Phe Leu Ala Trp Val His Ala Pro Pro Val
 1 5 10 15

Ser Ile Thr Val Asp Leu Ile Pro Thr Leu Ala Gln Ala Trp Ser
 20 25 30

<210> 81
 <211> 33
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (19)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 81
 Trp Ile Gln Arg Ile Arg Thr Ser Ala Asp Gln Leu Gly Pro Lys Lys
 1 5 10 15

Val Val Xaa Phe Gly Leu Ala Cys Cys Gly Val Ser Gly Leu Phe Tyr
 20 25 30

Ala

<210> 82
 <211> 351
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (78)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (326)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 82
 Pro Pro Gly Leu Cys Ala Ala Ile Pro Leu Gln Thr Arg Ser Ala Gln
 1 5 10 15

Gly Pro Trp Gly Gly Arg Gln Gly Ser Gly Trp Cys Trp Gly Thr Val
 20 25 30

Val Gly Ser Gly Ser Ser Gly Gly Gly Asn Ala Phe Thr Gly Leu Gly
 35 40 45

Pro Val Ser Thr Leu Pro Ser Leu His Gly Lys Gln Gly Val Thr Ser
 50 55 60

Val Thr Cys His Gly Gly Tyr Val Tyr Thr Thr Gly Arg Xaa Gly Ala
 65 70 75 80

Tyr Tyr Gln Leu Phe Val Arg Asp Gly Gln Leu Gln Pro Val Leu Arg
 85 90 95

Gln Lys Ser Cys Arg Gly Met Asn Trp Leu Ala Gly Leu Arg Ile Val
 100 105 110

Pro Asp Gly Ser Met Val Ile Leu Gly Phe His Ala Asn Glu Phe Val
 115 120 125

Val Trp Asn Pro Arg Ser His Glu Lys Leu His Ile Val Asn Cys Gly
 130 135 140

Gly Gly His Arg Ser Trp Ala Phe Ser Asp Thr Glu Ala Ala Met Ala
 145 150 155 160

Phe Ala Tyr Leu Lys Asp Gly Asp Val Met Leu Tyr Arg Ala Leu Gly
 165 170 175

Gly Cys Thr Arg Pro His Val Ile Leu Arg Glu Gly Leu His Gly Arg

180					185					190						
Glu	Ile	Thr	Cys	Val	Lys	Arg	Val	Gly	Thr	Ile	Thr	Leu	Gly	Pro	Glu	
195					200					205						
Tyr	Gly	Val	Pro	Ser	Phe	Met	Gln	Pro	Asp	Asp	Leu	Glu	Pro	Gly	Ser	
210					215					220						
Glu	Gly	Pro	Asp	Leu	Thr	Asp	Ile	Val	Ile	Thr	Cys	Ser	Glu	Asp	Thr	
225					230					235					240	
Thr	Val	Cys	Val	Leu	Ala	Leu	Pro	Thr	Thr	Thr	Gly	Ser	Ala	His	Ala	
245					250					255						
Leu	Thr	Ala	Val	Cys	Asn	His	Ile	Ser	Ser	Val	Arg	Ala	Val	Ala	Val	
260					265					270						
Trp	Gly	Ile	Gly	Thr	Pro	Gly	Gly	Pro	Gln	Asp	Pro	Gln	Pro	Gly	Leu	
275					280					285						
Thr	Ala	His	Val	Val	Ser	Ala	Gly	Gly	Arg	Ala	Glu	Met	His	Cys	Phe	
290					295					300						
Ser	Ile	Met	Val	Thr	Pro	Asp	Pro	Ser	Thr	Pro	Ser	Arg	Leu	Ala	Cys	
305					310					315					320	
His	Val	Met	His	Leu	Xaa	Ser	His	Arg	Leu	Asp	Glu	Tyr	Trp	Asp	Arg	
325					330					335						
Gln	Arg	Asn	Arg	His	Arg	Met	Val	Lys	Val	Asp	Pro	Glu	Thr	Arg		
340					345					350						
<210> 83																
<211> 38																
<212> PRT																
<213> Homo sapiens																
<400> 83																
Pro	Pro	Gly	Leu	Cys	Ala	Ala	Ile	Pro	Leu	Gln	Thr	Arg	Ser	Ala	Gln	
1		5						10					15			
Gly	Pro	Trp	Gly	Gly	Arg	Gln	Gly	Ser	Gly	Trp	Cys	Trp	Gly	Thr	Val	
20					25					30						
Val Gly Ser Gly Ser Ser																
35																
<210> 84																
<211> 40																
<212> PRT																
<213> Homo sapiens																
<220>																
<221> MISC_FEATURE																
<222> (40)																
<223> Xaa equals any of the naturally occurring L-amino acids																
<400> 84																
Gly	Gly	Gly	Asn	Ala	Phe	Thr	Gly	Leu	Gly	Pro	Val	Ser	Thr	Leu	Pro	
1		5						10					15			

Ser Leu His Gly Lys Gln Gly Val Thr Ser Val Thr Cys His Gly Gly
20 25 30

Tyr Val Tyr Thr Thr Gly Arg Xaa
35 40

<210> 85
<211> 40
<212> PRT
<213> Homo sapiens

<400> 85
Gly Ala Tyr Tyr Gln Leu Phe Val Arg Asp Gly Gln Leu Gln Pro Val
1 5 10 15

Leu Arg Gln Lys Ser Cys Arg Gly Met Asn Trp Leu Ala Gly Leu Arg
20 25 30

Ile Val Pro Asp Gly Ser Met Val
35 40

<210> 86
<211> 41
<212> PRT
<213> Homo sapiens

<400> 86
Ile Leu Gly Phe His Ala Asn Glu Phe Val Val Trp Asn Pro Arg Ser
1 5 10 15

His Glu Lys Leu His Ile Val Asn Cys Gly Gly Gly His Arg Ser Trp
20 25 30

Ala Phe Ser Asp Thr Glu Ala Ala Met
35 40

<210> 87
<211> 42
<212> PRT
<213> Homo sapiens

<400> 87
Ala Phe Ala Tyr Leu Lys Asp Gly Asp Val Met Leu Tyr Arg Ala Leu
1 5 10 15

Gly Gly Cys Thr Arg Pro His Val Ile Leu Arg Glu Gly Leu His Gly
20 25 30

Arg Glu Ile Thr Cys Val Lys Arg Val Gly
35 40

<210> 88
<211> 43
<212> PRT
<213> Homo sapiens

<400> 88
Thr Ile Thr Leu Gly Pro Glu Tyr Gly Val Pro Ser Phe Met Gln Pro
1 5 10 15

Asp Asp Leu Glu Pro Gly Ser Glu Gly Pro Asp Leu Thr Asp Ile Val

20 25 30
 Ile Thr Cys Ser Glu Asp Thr Thr Val Cys Val
 35 40
 <210> 89
 <211> 41
 <212> PRT
 <213> Homo sapiens
 <400> 89
 Leu Ala Leu Pro Thr Thr Thr Gly Ser Ala His Ala Leu Thr Ala Val
 1 5 10 15
 Cys Asn His Ile Ser Ser Val Arg Ala Val Ala Val Trp Gly Ile Gly
 20 25 30
 Thr Pro Gly Gly Pro Gln Asp Pro Gln
 35 40
 <210> 90
 <211> 40
 <212> PRT
 <213> Homo sapiens
 <400> 90
 Pro Gly Leu Thr Ala His Val Val Ser Ala Gly Gly Arg Ala Glu Met
 1 5 10 15
 His Cys Phe Ser Ile Met Val Thr Pro Asp Pro Ser Thr Pro Ser Arg
 20 25 30
 Leu Ala Cys His Val Met His Leu
 35 40
 <210> 91
 <211> 26
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC_FEATURE
 <222> (1)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 91
 Xaa Ser His Arg Leu Asp Glu Tyr Trp Asp Arg Gln Arg Asn Arg His
 1 5 10 15
 Arg Met Val Lys Val Asp Pro Glu Thr Arg
 20 25
 <210> 92
 <211> 88
 <212> PRT
 <213> Homo sapiens
 <400> 92
 Leu Met Ser Leu Leu Thr Ser Pro His Gln Pro Pro Pro Pro Pro Pro
 1 5 10 15

Ala Ser Ala Ser Pro Ser Ala Val Pro Asn Gly Pro Gln Ser Pro Lys
20 25 30

Gln Gln Lys Glu Pro Leu Ser His Arg Phe Asn Glu Phe Met Thr Ser
35 40 45

Lys Pro Lys Ile His Cys Phe Arg Ser Leu Lys Arg Gly Val Ser Ser
50 55 60

Ala Pro Glu Ser Cys Leu Ser Gly Val Leu Trp Leu His Val Trp Phe
65 70 75 80

Cys Ile Thr Asn Phe Val Cys Glu
85

<210> 93
<211> 53
<212> PRT
<213> Homo sapiens

<400> 93
Phe Gln Asn Ala Lys Glu Glu Ala Ser Val Leu Pro Tyr Val Glu Thr
1 5 10 15

Val Phe Leu Phe Gly Gly Gly Ile Phe Ala Met Ala Leu Cys Leu Ile
20 25 30

Ser Asp Ala Leu Ser Ser Tyr Arg Asp Ser His Thr Asn Arg Val Leu
35 40 45

Thr Ser Pro Pro Phe
50

<210> 94
<211> 45
<212> PRT
<213> Homo sapiens

<400> 94
Arg Leu Met Pro Phe Pro Pro Ser Ser Pro Arg Leu Leu Val Thr Leu
1 5 10 15

Ala Gly Arg Glu Asp Val Val Gly His Ser Cys Asn Thr Leu Ser Ala
20 25 30

His Leu Leu Glu Ile Val Thr Met Leu Ile Thr Trp Phe
35 40 45

<210> 95
<211> 51
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (3)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 95
Gly Gly Xaa Asp Asp Asp Glu Gly Pro Tyr Thr Pro Phe Asp Thr Pro
1 5 -10 15

Ser Gly Lys Leu Glu Thr Val Lys Trp Ala Phe Thr Trp Pro Leu Ser
20 25 30

Phe Val Leu Tyr Phe Thr Val Pro Asn Cys Asn Lys Pro Arg Trp Glu
35 40 45

Lys Trp Phe
50

<210> 96

<211> 115

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (99)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 96

Gly Gly Pro Arg Met Lys Arg Ser Gly Asn Pro Gly Ala Glu Val Thr
1 5 10 15

Asn Ser Ser Val Ala Gly Pro Asp Cys Cys Gly Gly Leu Gly Asn Ile
20 25 30

Asp Phe Arg Gln Ala Asp Phe Cys Val Met Thr Arg Leu Leu Gly Tyr
35 40 45

Val Asp Pro Leu Asp Pro Ser Phe Val Ala Ala Val Ile Thr Ile Thr
50 55 60

Phe Asn Pro Leu Tyr Trp Asn Val Val Ala Arg Trp Glu His Lys Thr
65 70 75 80

Arg Lys Leu Ser Arg Ala Phe Gly Ser Pro Tyr Leu Ala Cys Tyr Ser
85 90 95

Leu Ser Xaa Thr Ile Leu Leu Leu Asn Phe Leu Arg Ser His Cys Phe
100 105 110

Thr Gln Ala
115

<210> 97

<211> 51

<212> PRT

<213> Homo sapiens

<400> 97

Gly Gly Pro Arg Met Lys Arg Ser Gly Asn Pro Gly Ala Glu Val Thr
1 5 10 15

Asn Ser Ser Val Ala Gly Pro Asp Cys Cys Gly Gly Leu Gly Asn Ile
20 25 30

Asp Phe Arg Gln Ala Asp Phe Cys Val Met Thr Arg Leu Leu Gly Tyr
35 40 45

Val Asp Pro

50

<210> 98
<211> 64
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (48)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 98
Leu Asp Pro Ser Phe Val Ala Ala Val Ile Thr Ile Thr Phe Asn Pro
1 5 10 15
Leu Tyr Trp Asn Val Val Ala Arg Trp Glu His Lys Thr Arg Lys Leu
20 25 30
Ser Arg Ala Phe Gly Ser Pro Tyr Leu Ala Cys Tyr Ser Leu Ser Xaa
35 40 45
Thr Ile Leu Leu Leu Asn Phe Leu Arg Ser His Cys Phe Thr Gln Ala
50 55 60

<210> 99
<211> 253
<212> PRT
<213> Homo sapiens

<400> 99
Pro Gln Arg Ser Glu Leu Ala Ala Ala Ser Asn Arg Pro Cys Arg Val
1 5 10 15
Cys Ile Ser Leu Leu Leu Cys Leu Glu Asp Arg Thr Met Pro Lys Lys
20 25 30
Ala Lys Pro Thr Gly Ser Gly Lys Glu Glu Gly Pro Ala Pro Cys Lys
35 40 45
Gln Met Lys Leu Glu Ala Ala Gly Gly Pro Ser Ala Leu Asn Phe Asp
50 55 60
Ser Pro Ser Ser Leu Phe Glu Ser Leu Ile Ser Pro Ile Lys Thr Glu
65 70 75 80
Thr Phe Phe Lys Glu Phe Trp Glu Gln Lys Pro Leu Leu Ile Gln Arg
85 90 95
Asp Asp Pro Ala Leu Ala Thr Tyr Tyr Gly Ser Leu Phe Lys Leu Thr
100 105 110
Asp Leu Lys Ser Leu Cys Ser Arg Gly Met Tyr Tyr Gly Arg Asp Val
115 120 125
Asn Val Cys Arg Cys Val Asn Gly Lys Lys Lys Val Leu Asn Lys Asp
130 135 140

Gly Lys Ala His Phe Leu Gln Leu Arg Lys Asp Phe Asp Gln Lys Arg
 145 150 155 160
 Ala Thr Ile Gln Phe His Gln Pro Gln Arg Phe Lys Asp Glu Leu Trp
 165 170 175
 Arg Ile Gln Glu Lys Leu Glu Cys Tyr Phe Gly Ser Leu Val Gly Ser
 180 185 190
 Asn Val Tyr Ile Thr Pro Ala Asp Leu Arg Ala Cys Arg Pro Ile Met
 195 200 205
 Met Met Ser Arg Phe Ser Ser Cys Ser Trp Arg Glu Arg Asn Thr Gly
 210 215 220
 Ala Ser Thr Thr Pro Leu Cys Pro Trp His Glu Ser Thr Ala Trp Arg
 225 230 235 240
 Pro Arg Lys Gly Ser Ala Gly Arg Cys Met Ser Leu Cys
 245 250

<210> 100
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 100
 Pro Gln Arg Ser Glu Leu Ala Ala Ala Ser Asn Arg Pro Cys Arg Val
 1 5 10 15
 Cys Ile Ser Leu Leu Cys Leu Glu Asp Arg Thr Met Pro Lys Lys
 20 25 30
 Ala Lys Pro Thr Gly Ser Gly Lys Glu Glu Gly Pro
 35 40

<210> 101
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 101
 Ala Pro Cys Lys Gln Met Lys Leu Glu Ala Ala Gly Gly Pro Ser Ala
 1 5 10 15
 Leu Asn Phe Asp Ser Pro Ser Ser Leu Phe Glu Ser Leu Ile Ser Pro
 20 25 30
 Ile Lys Thr Glu Thr Phe Phe Lys Glu Phe Trp Glu Gln
 35 40 45

<210> 102
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 102
 Lys Pro Leu Leu Ile Gln Arg Asp Asp Pro Ala Leu Ala Thr Tyr Tyr
 1 5 10 15
 Gly Ser Leu Phe Lys Leu Thr Asp Leu Lys Ser Leu Cys Ser Arg Gly

20 25 30
 Met Tyr Tyr Gly Arg Asp Val Asn Val Cys Arg Cys
 35 40
 <210> 103
 <211> 45
 <212> PRT
 <213> Homo sapiens
 <400> 103
 Val Asn Gly Lys Lys Lys Val Leu Asn Lys Asp Gly Lys Ala His Phe
 1 5 10 15
 Leu Gln Leu Arg Lys Asp Phe Asp Gln Lys Arg Ala Thr Ile Gln Phe
 20 25 30
 His Gln Pro Gln Arg Phe Lys Asp Glu Leu Trp Arg Ile
 35 40 45
 <210> 104
 <211> 44
 <212> PRT
 <213> Homo sapiens
 <400> 104
 Gln Glu Lys Leu Glu Cys Tyr Phe Gly Ser Leu Val Gly Ser Asn Val
 1 5 10 15
 Tyr Ile Thr Pro Ala Asp Leu Arg Ala Cys Arg Pro Ile Met Met Met
 20 25 30
 Ser Arg Phe Ser Ser Cys Ser Trp Arg Glu Arg Asn
 35 40
 <210> 105
 <211> 31
 <212> PRT
 <213> Homo sapiens
 <400> 105
 Thr Gly Ala Ser Thr Thr Pro Leu Cys Pro Trp His Glu Ser Thr Ala
 1 5 10 15
 Trp Arg Pro Arg Lys Gly Ser Ala Gly Arg Cys Met Ser Leu Cys
 20 25 30
 <210> 106
 <211> 53
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> MISC_FEATURE
 <222> (53)
 <223> Xaa equals any of the naturally occurring L-amino acids
 <400> 106
 Gly Gly Gly Ile His Arg Leu His Asn Gly Ala Leu Gln Leu Arg Val
 1 5 10 15

Leu Gln Arg Val Glu His Leu His Leu Leu His His Ala Val Lys His
 20 25 30

Ile Cys Thr Ala Ser Leu Pro Val Leu His Gly Phe Ile Ala Ala Gln
 35 40 45

Cys Arg Pro Gly Xaa
 50

<210> 107
 <211> 162
 <212> PRT
 <213> Homo sapiens

<220>
 <221> MISC_FEATURE
 <222> (34)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> MISC_FEATURE
 <222> (36)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 107
 Gly Gly Gly His Arg His Asn Gly Ala Arg Val Arg Val His His His
 1 5 10 15

His Ala Val Lys His Cys Thr Ala Ser Val His Gly Ala Ala Cys Arg
 20 25 30

Gly Xaa Met Xaa Gly Ala Ala Ala Val Ser Val Arg Ala Ala Val Trp
 35 40 45

Gly Arg Asp Gly Trp Tyr Val Ala Val Ala Ser Arg Lys Gly Ala Met
 50 55 60

Lys Asp Met Lys Asn Val Val Gly Val Val Val Thr Thr Asn Asn Arg
 65 70 75 80

Thr Ser Ser His Gly Gly Gly Cys Asp Ser Val Met Asp Lys Arg Asn
 85 90 95

Ser Gly Trp Val Asn Ser Gly Val Trp Val Ala Thr Asn Arg Asp Tyr
 100 105 110

Ala Thr Gly Asp Asn Thr Val Tyr Ser Thr Thr Ala Ser Ala Met Gly
 115 120 125

Thr Lys Trp Ser Arg Ser Gly Ser Ser His Asp Ala Lys Trp Asn Ser
 130 135 140

Ala Ser Val Lys Asp Lys Thr Thr Asp Lys Ser Val Ser Trp Thr Cys
 145 150 155 160

Val Val

<210> 108
 <211> 151
 <212> PRT

<213> Homo sapiens

<400> 108

Trp Asp Arg Trp Ser Asp Ser Ala Leu Arg Arg Leu Arg Gly Ser Gly
1 5 10 15

Asp Leu Ala Gly Glu Leu Glu Glu Leu Glu Glu Glu Arg Ala Ala Cys
20 25 30

Gln Gly Cys Arg Ala Arg Arg Pro Trp Glu Leu Phe Gln His Arg Ala
35 40 45

Leu Arg Arg Gln Val Thr Ser Leu Val Val Leu Gly Ser Ala Met Glu
50 55 60

Leu Cys Gly Asn Asp Ser Val Tyr Ala Tyr Ala Ser Ser Val Phe Arg
65 70 75 80

Lys Ala Gly Val Pro Glu Ala Lys Ile Gln Tyr Ala Ile Ile Gly Thr
85 90 95

Gly Ser Cys Glu Leu Leu Thr Ala Val Val Ser Val Ser Leu Glu Gly
100 105 110

Ala Leu Pro Pro Pro Ala Leu Trp Gly Gly Thr Pro Arg Ser Ser Ala
115 120 125

Leu Asn Gln Phe Thr Leu Gln Lys Lys Lys Lys Lys Lys Lys Lys Lys
130 135 140

Lys Lys Lys Lys Lys Lys Lys
145 150

<210> 109

<211> 37

<212> PRT

<213> Homo sapiens

<400> 109

Arg Arg Leu Arg Gly Ser Gly Asp Leu Ala Gly Glu Leu Glu Glu Leu
1 5 10 15

Glu Glu Glu Arg Ala Ala Cys Gln Gly Cys Arg Ala Arg Arg Pro Trp
20 25 30

Glu Leu Phe Gln His
35

<210> 110

<211> 29

<212> PRT

<213> Homo sapiens

<400> 110

Arg Gln Val Thr Ser Leu Val Val Leu Gly Ser Ala Met Glu Leu Cys
1 5 10 15

Gly Asn Asp Ser Val Tyr Ala Tyr Ala Ser Ser Val Phe
20 25

<210> 111

<211> 34
 <212> PRT
 <213> Homo sapiens

 <400> 111
 Thr Gly Ser Cys Glu Leu Leu Thr Ala Val Val Ser Val Ser Leu Glu
 1 5 10 15

 Gly Ala Leu Pro Pro Pro Ala Leu Trp Gly Gly Thr Pro Arg Ser Ser
 20 25 30

 Ala Leu

<210> 112
 <211> 26
 <212> PRT
 <213> Homo sapiens

 <400> 112
 Leu Val Gly Val Asn Ala Gly Val Ser Met Asn Ile Gln Pro Met Tyr
 1 5 10 15

 Leu Gly Glu Ser Ala Pro Lys Glu Leu Arg
 20 25

<210> 113
 <211> 49
 <212> PRT
 <213> Homo sapiens

 <400> 113
 His Glu Leu Arg Leu Arg Lys Asn Thr Val Lys Phe Ser Leu Tyr Arg
 1 5 10 15

 His Phe Lys Asn Thr Leu Ile Phe Ala Val Leu Ala Ser Ile Val Phe
 20 25 30

 Met Gly Trp Thr Thr Lys Thr Phe Arg Ile Ala Lys Cys Gln Ser Asp
 35 40 45

 Trp

<210> 114
 <211> 178
 <212> PRT
 <213> Homo sapiens

 <400> 114
 His Glu Leu Arg Leu Arg Lys Asn Thr Val Lys Phe Ser Leu Tyr Arg
 1 5 10 15

 His Phe Lys Asn Thr Leu Ile Phe Ala Val Leu Ala Ser Ile Val Phe
 20 25 30

 Met Gly Trp Thr Thr Lys Thr Phe Arg Ile Ala Lys Cys Gln Ser Asp
 35 40 45

 Trp Met Glu Arg Trp Val Asp Asp Ala Phe Trp Ser Phe Leu Phe Ser
 50 55 60

Leu Ile Leu Ile Val Ile Met Phe Leu Trp Arg Pro Ser Ala Asn Asn
 65 70 75 80
 Gln Arg Tyr Ala Phe Met Pro Leu Ile Asp Asp Ser Asp Asp Glu Ile
 85 90 95
 Glu Glu Phe Met Val Thr Ser Glu Asn Leu Thr Glu Gly Ile Lys Leu
 100 105 110
 Arg Ala Ser Lys Ser Val Ser Asn Gly Thr Ala Lys Pro Ala Thr Ser
 115 120 125
 Glu Asn Phe Asp Glu Asp Leu Lys Trp Val Glu Glu Asn Ile Pro Ser
 130 135 140
 Ser Phe Thr Asp Val Ala Leu Pro Val Leu Val Asp Ser Asp Glu Glu
 145 150 155 160
 Ile Met Thr Arg Ser Glu Met Ala Glu Lys Met Phe Ser Ser Glu Lys
 165 170 175

Ile Met

<210> 115
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 115
 Trp Ile Pro Arg Ala Ala Gly Ile Arg His Glu Glu Ser Ile Ala Gln
 1 5 10 15

Arg Ser Tyr Phe Arg Thr Leu Leu
 20

<210> 116
 <211> 104
 <212> PRT
 <213> Homo sapiens

<400> 116
 Ala Asp Thr Asn Phe Thr Gln Glu Thr Ala Met Thr Met Ile Thr Pro
 1 5 10 15

Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn Lys Ser Trp Ser Ser Thr
 20 25 30

Ala Val Ala Ala Ala Leu Glu Leu Val Asp Pro Pro Gly Cys Arg Asn
 35 40 45

Ser Ala Arg Gly Ile Asn Cys Ser Ala Phe Leu Leu Pro Tyr Ser Ser
 50 55 60

His Val Trp Val Pro Leu Ser Gly Val Val Pro Leu Cys Gln Arg Asn
 65 70 75 80

Gln Gly His Thr Val Trp Val Gln Ile Ile Tyr Ser Arg Ser Ser Phe
 85 90 95

Thr Asp Val Phe Ile Ser Thr Arg
100

<210> 117
<211> 26
<212> PRT
<213> Homo sapiens

<400> 117
Met Thr Met Ile Thr Pro Ser Ser Lys Leu Thr Leu Thr Lys Gly Asn
1 5 10 15

Lys Ser Trp Ser Ser Thr Ala Val Ala Ala
20 25

<210> 118
<211> 20
<212> PRT
<213> Homo sapiens

<400> 118
Arg Gly Ile Asn Cys Ser Ala Phe Leu Leu Pro Tyr Ser Ser His Val
1 5 10 15

Trp Val Pro Leu
20

<210> 119
<211> 24
<212> PRT
<213> Homo sapiens

<400> 119
Val Val Pro Leu Cys Gln Arg Asn Gln Gly His Thr Val Trp Val Gln
1 5 10 15

Ile Ile Tyr Ser Arg Ser Ser Phe
20

<210> 120
<211> 26
<212> PRT
<213> Homo sapiens

<400> 120
Asn Phe Asp Ile Lys Val Leu Asn Ala Gln Arg Ala Gly Tyr Lys Ala
1 5 10 15

Ala Ile Val His Asn Val Asp Ser Asp Asp
20 25

<210> 121
<211> 28
<212> PRT
<213> Homo sapiens

<400> 121
Val Leu Lys Lys Ile Asp Ile Pro Ser Val Phe Ile Gly Glu Ser Ser
1 5 10 15

Ala Asn Ser Leu Lys Asp Glu Phe Thr Tyr Glu Lys

20 25
 <210> 122
 <211> 30
 <212> PRT
 <213> Homo sapiens

 <400> 122
 Pro Glu Phe Ser Leu Pro Leu Glu Tyr Tyr Leu Ile Pro Phe Leu Ile
 1 5 10 15
 Ile Val Gly Ile Cys Leu Ile Leu Ile Val Ile Phe Met Ile
 20 25 30

 <210> 123
 <211> 34
 <212> PRT
 <213> Homo sapiens

 <400> 123
 Thr Lys Phe Val Gln Asp Arg His Arg Ala Arg Arg Asn Arg Leu Arg
 1 5 10 15
 Lys Asp Gln Leu Lys Lys Leu Pro Val His Lys Phe Lys Lys Gly Asp
 20 25 30

 Glu Tyr

 <210> 124
 <211> 27
 <212> PRT
 <213> Homo sapiens

 <400> 124
 Glu Asp Gly Asp Lys Leu Arg Ile Leu Pro Cys Ser His Ala Tyr His
 1 5 10 15
 Cys Lys Cys Val Asp Pro Trp Leu Thr Lys Thr
 20 25

 <210> 125
 <211> 24
 <212> PRT
 <213> Homo sapiens

 <400> 125
 Val Val Pro Ser Gln Gly Asp Ser Asp Ser Asp Thr Asp Ser Ser Gln
 1 5 10 15
 Glu Glu Asn Glu Val Thr Glu His
 20

 <210> 126
 <211> 29
 <212> PRT
 <213> Homo sapiens

 <400> 126
 Gln Ser Phe Gly Ala Leu Ser Glu Ser Arg Ser His Gln Asn Met Thr
 1 5 10 15

Glu Ser Ser Asp Tyr Glu Glu Asp Asp Asn Glu Asp Thr
 20 25

<210> 127
 <211> 259
 <212> PRT
 <213> Homo sapiens

<400> 127
 Ile Arg Arg Leu Asp Cys Asn Phe Asp Ile Lys Val Leu Asn Ala Gln
 1 5 10 15
 Arg Ala Gly Tyr Lys Ala Ala Ile Val His Asn Val Asp Ser Asp Asp
 20 25 30
 Leu Ile Ser Met Gly Ser Asn Asp Ile Glu Val Leu Lys Lys Ile Asp
 35 40 45
 Ile Pro Ser Val Phe Ile Gly Glu Ser Ser Ala Asn Ser Leu Lys Asp
 50 55 60
 Glu Phe Thr Tyr Glu Lys Gly Gly His Leu Ile Leu Val Pro Glu Phe
 65 70 75 80
 Ser Leu Pro Leu Glu Tyr Tyr Leu Ile Pro Phe Leu Ile Ile Val Gly
 85 90 95
 Ile Cys Leu Ile Leu Ile Val Ile Phe Met Ile Thr Lys Phe Val Gln
 100 105 110
 Asp Arg His Arg Ala Arg Arg Asn Arg Leu Arg Lys Asp Gln Leu Lys
 115 120 125
 Lys Leu Pro Val His Lys Phe Lys Lys Gly Asp Glu Tyr Asp Val Cys
 130 135 140
 Ala Ile Cys Leu Asp Glu Tyr Glu Asp Gly Asp Lys Leu Arg Ile Leu
 145 150 155 160
 Pro Cys Ser His Ala Tyr His Cys Lys Cys Val Asp Pro Trp Leu Thr
 165 170 175
 Lys Thr Lys Lys Thr Cys Pro Val Cys Lys Gln Lys Val Val Pro Ser
 180 185 190
 Gln Gly Asp Ser Asp Ser Asp Thr Asp Ser Ser Gln Glu Glu Asn Glu
 195 200 205
 Val Thr Glu His Thr Pro Leu Leu Arg Pro Leu Ala Ser Val Ser Ala
 210 215 220
 Gln Ser Phe Gly Ala Leu Ser Glu Ser Arg Ser His Gln Asn Met Thr
 225 230 235 240
 Glu Ser Ser Asp Tyr Glu Glu Asp Asp Asn Glu Asp Thr Asp Ser Ser
 245 250 255
 Asp Ala Glu

<210> 128
 <211> 97
 <212> PRT
 <213> Homo sapiens

<400> 128
 Met Leu Leu Ser Ile Gly Met Leu Met Leu Ser Ala Thr Gln Val Tyr
 1 5 10 15
 Thr Ile Leu Thr Val Gln Leu Phe Ala Phe Leu Asn Leu Leu Pro Val
 20 25 30
 Glu Ala Asp Ile Leu Ala Tyr Asn Phe Glu Asn Ala Ser Gln Thr Phe
 35 40 45
 Asp Asp Leu Pro Ala Arg Phe Gly Tyr Arg Leu Pro Ala Glu Gly Leu
 50 55 60
 Lys Gly Phe Leu Ile Asn Ser Lys Pro Glu Asn Ala Cys Glu Pro Ile
 65 70 75 80
 Val Pro Pro Pro Val Lys Asp Asn Ser Ser Gly His Phe His Arg Val
 85 90 95

Asn

<210> 129
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 129
 Ala Gln Cys Ser Ile Tyr Leu Ile Gln Val Ile Phe Gly Ala Val Asp
 1 5 10 15
 Leu Pro Ala Lys Leu Val Gly Phe Leu Val Ile Asn Ser Leu Gly Arg
 20 25 30
 Arg Pro Ala Gln
 35

<210> 130
 <211> 188
 <212> PRT
 <213> Homo sapiens

<400> 130
 Gly Thr Val Gln His Leu Pro Asn Pro Gly Asp Leu Trp Cys Cys Gly
 1 5 10 15
 Pro Ala Cys Gln Ala Cys Gly Leu Pro Cys His Gln Leu Pro Gly Ser
 20 25 30
 Pro Ala Cys Pro Asp Gly Cys Thr Ala Ala Gly Arg His Leu His Pro
 35 40 45
 Ala Gln Trp Gly Asp Thr Pro Gly Pro Val His Cys Pro Asn Leu Ser
 50 55 60
 Cys Cys Ala Gly Glu Gly Leu Ser Gly Cys Leu Leu Gln Leu His Leu

65		70		75		80
Pro Val Tyr Trp Glu Leu Tyr Pro Thr Met Ile Arg Gln Thr Gly Met						
	85			90		95
Gly Met Gly Ser Thr Met Ala Arg Val Gly Ser Ile Val Ser Pro Leu						
	100		105			110
Val Ser Met Thr Ala Glu Leu Tyr Pro Ser Met Pro Leu Phe Ile Tyr						
	115		120			125
Gly Ala Val Pro Val Ala Ala Ser Ala Val Thr Val Leu Leu Pro Glu						
	130		135			140
Thr Leu Gly Gln Pro Leu Pro Asp Thr Val Gln Asp Leu Glu Ser Arg						
	145		150		155	160
Lys Gly Lys Gln Thr Arg Gln Gln Gln Glu His Gln Lys Tyr Met Val						
	165			170		175
Pro Leu Gln Ala Ser Ala Gln Glu Lys Asn Gly Leu						
	180			185		

<210> 131
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 131
Leu Pro Asn Pro Gly Asp Leu Trp Cys Cys Gly Pro Ala Cys Gln Ala
1 5 10 15

Cys Gly Leu Pro Cys His Gln
20

<210> 132
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 132
Gly Cys Thr Ala Ala Gly Arg His Leu His Pro Ala Gln Trp Gly Asp
1 5 10 15

Thr Pro Gly Pro Val His Cys Pro Asn Leu
20 25

<210> 133
 <211> 22
 <212> PRT
 <213> Homo sapiens

<400> 133
Leu His Leu Pro Val Tyr Trp Glu Leu Tyr Pro Thr Met Ile Arg Gln
1 5 10 15

Thr Gly Met Gly Met Gly
20

<210> 134
 <211> 23

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<212> PRT
<213> Homo sapiens

<400> 134
Leu Val Ser Met Thr Ala Glu Leu Tyr Pro Ser Met Pro Leu Phe Ile
 1             5             10             15

Tyr Gly Ala Val Pro Val Ala
      20

<210> 135
<211> 27
<212> PRT
<213> Homo sapiens

<400> 135
Pro Asp Thr Val Gln Asp Leu Glu Ser Arg Lys Gly Lys Gln Thr Arg
 1             5             10             15

Gln Gln Gln Glu His Gln Lys Tyr Met Val Pro
      20             25

<210> 136
<211> 720
<212> PRT
<213> Homo sapiens

<400> 136
Cys Leu Glu Ala Ala Met Ile Glu Gly Glu Ile Glu Ser Leu His Ser
 1             5             10             15

Glu Asn Ser Gly Lys Ser Gly Gln Glu His Trp Phe Thr Glu Leu Pro
      20             25             30

Pro Val Leu Thr Phe Glu Leu Ser Arg Phe Glu Phe Asn Gln Ala Leu
      35             40             45

Gly Arg Pro Glu Lys Ile His Asn Lys Leu Glu Phe Pro Gln Val Leu
      50             55             60

Tyr Leu Asp Arg Tyr Met His Arg Asn Arg Glu Ile Thr Arg Ile Lys
      65             70             75             80

Arg Glu Glu Ile Lys Arg Leu Lys Asp Tyr Leu Thr Val Leu Gln Gln
      85             90             95

Arg Leu Glu Arg Tyr Leu Ser Tyr Gly Ser Gly Pro Lys Arg Phe Pro
      100             105             110

Leu Val Asp Val Leu Gln Tyr Ala Leu Glu Phe Ala Ser Ser Lys Pro
      115             120             125

Val Cys Thr Ser Pro Val Asp Asp Ile Asp Ala Ser Ser Pro Pro Ser
      130             135             140

Gly Ser Ile Pro Ser Gln Thr Leu Pro Ser Thr Thr Glu Gln Gln Gly
      145             150             155             160

Ala Leu Ser Ser Glu Leu Pro Ser Thr Ser Pro Ser Ser Val Ala Ala
      165             170             175

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Ile Ser Ser Arg Ser Val Ile His Lys Pro Phe Thr Gln Ser Arg Ile
 180 185 190
 Pro Pro Asp Leu Pro Met His Pro Ala Pro Arg His Ile Thr Glu Glu
 195 200 205
 Glu Leu Ser Val Leu Glu Ser Cys Leu His Arg Trp Arg Thr Glu Ile
 210 215 220
 Glu Asn Asp Thr Arg Asp Leu Gln Glu Ser Ile Ser Arg Ile His Arg
 225 230 235 240
 Thr Ile Glu Leu Met Tyr Ser Asp Lys Ser Met Ile Gln Val Pro Tyr
 245 250 255
 Arg Leu His Ala Val Leu Val His Glu Gly Gln Ala Asn Ala Gly His
 260 265 270
 Tyr Trp Ala Tyr Ile Phe Asp His Arg Glu Ser Arg Trp Met Lys Tyr
 275 280 285
 Asn Asp Ile Ala Val Thr Lys Ser Ser Trp Glu Glu Leu Val Arg Asp
 290 295 300
 Ser Phe Gly Gly Tyr Arg Asn Ala Ser Ala Tyr Cys Leu Met Tyr Ile
 305 310 315 320
 Asn Asp Lys Ala Gln Phe Leu Ile Gln Glu Glu Phe Asn Lys Glu Thr
 325 330 335
 Gly Gln Pro Leu Val Gly Ile Glu Thr Leu Pro Pro Asp Leu Arg Asp
 340 345 350
 Phe Val Glu Glu Asp Asn Gln Arg Phe Glu Lys Glu Leu Glu Glu Trp
 355 360 365
 Asp Ala Gln Leu Ala Gln Lys Ala Leu Gln Glu Lys Leu Leu Ala Ser
 370 375 380
 Gln Lys Leu Arg Glu Ser Glu Thr Ser Val Thr Thr Ala Gln Ala Ala
 385 390 395 400
 Gly Asp Pro Glu Tyr Leu Glu Gln Pro Ser Arg Ser Asp Phe Ser Lys
 405 410 415
 His Leu Lys Glu Glu Thr Ile Gln Ile Ile Thr Lys Ala Ser His Glu
 420 425 430
 His Glu Asp Lys Ser Pro Glu Thr Val Leu Gln Ser Ala Ile Lys Leu
 435 440 445
 Glu Tyr Ala Arg Leu Val Lys Leu Ala Gln Glu Asp Thr Pro Pro Glu
 450 455 460
 Thr Asp Tyr Arg Leu His His Val Val Val Tyr Phe Ile Gln Asn Gln
 465 470 475 480
 Ala Pro Lys Lys Ile Ile Glu Lys Thr Leu Leu Glu Gln Phe Gly Asp
 485 490 495
 Arg Asn Leu Ser Phe Asp Glu Arg Cys His Asn Ile Met Lys Val Ala

500					505					510					
Gln	Ala	Lys	Leu	Glu	Met	Ile	Lys	Pro	Glu	Glu	Val	Asn	Leu	Glu	Glu
515					520					525					
Tyr	Glu	Glu	Trp	His	Gln	Asp	Tyr	Arg	Lys	Phe	Arg	Glu	Thr	Thr	Met
530					535					540					
Tyr	Leu	Ile	Ile	Gly	Leu	Glu	Asn	Phe	Gln	Arg	Glu	Ser	Tyr	Ile	Asp
545					550					555					
Ser	Leu	Leu	Phe	Leu	Ile	Cys	Ala	Tyr	Gln	Asn	Asn	Lys	Glu	Leu	Leu
565					570					575					
Ser	Lys	Gly	Leu	Tyr	Arg	Gly	His	Asp	Glu	Glu	Leu	Ile	Ser	His	Tyr
580					585					590					
Arg	Arg	Glu	Cys	Leu	Leu	Lys	Leu	Asn	Glu	Gln	Ala	Ala	Glu	Leu	Phe
595					600					605					
Glu	Ser	Gly	Glu	Asp	Arg	Glu	Val	Asn	Asn	Gly	Leu	Ile	Ile	Met	Asn
610					615					620					
Glu	Phe	Ile	Val	Pro	Phe	Leu	Pro	Leu	Leu	Leu	Val	Asp	Glu	Met	Glu
625					630					635					
Glu	Lys	Asp	Ile	Leu	Ala	Val	Glu	Asp	Met	Arg	Asn	Arg	Trp	Cys	Ser
645					650					655					
Tyr	Leu	Gly	Gln	Glu	Met	Glu	Pro	His	Leu	Gln	Glu	Lys	Leu	Thr	Asp
660					665					670					
Phe	Leu	Pro	Lys	Leu	Leu	Asp	Cys	Ser	Met	Glu	Ile	Lys	Ser	Phe	His
675					680					685					
Glu	Pro	Pro	Lys	Leu	Pro	Ser	Tyr	Ser	Thr	His	Glu	Leu	Cys	Glu	Arg
690					695					700					
Phe	Ala	Arg	Ile	Met	Leu	Ser	Leu	Ser	Arg	Thr	Pro	Ala	Asp	Gly	Arg
705					710					715					

<210> 137
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 137
 Met Ile Glu Gly Glu Ile Glu Ser Leu His Ser Glu Asn Ser Gly Lys
 1 5 10 15
 Ser Gly Gln Glu His Trp Phe Thr
 20

<210> 138
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 138
Phe Glu Leu Ser Arg Phe Glu Phe Asn Gln Ala Leu Gly Arg Pro Glu
1 5 10 15

Lys Ile His Asn Lys Leu Glu Phe Pro
20 25

<210> 139
<211> 26
<212> PRT
<213> Homo sapiens

<400> 139
Glu Ile Thr Arg Ile Lys Arg Glu Glu Ile Lys Arg Leu Lys Asp Tyr
1 5 10 15

Leu Thr Val Leu Gln Gln Arg Leu Glu Arg
20 25

<210> 140
<211> 27
<212> PRT
<213> Homo sapiens

<400> 140
Pro Lys Arg Phe Pro Leu Val Asp Val Leu Gln Tyr Ala Leu Glu Phe
1 5 10 15

Ala Ser Ser Lys Pro Val Cys Thr Ser Pro Val
20 25

<210> 141
<211> 26
<212> PRT
<213> Homo sapiens

<400> 141
Ile Pro Ser Gln Thr Leu Pro Ser Thr Thr Glu Gln Gln Gly Ala Leu
1 5 10 15

Ser Ser Glu Leu Pro Ser Thr Ser Pro Ser
20 25

<210> 142
<211> 24
<212> PRT
<213> Homo sapiens

<400> 142
Ser Val Ile His Lys Pro Phe Thr Gln Ser Arg Ile Pro Pro Asp Leu
1 5 10 15

Pro Met His Pro Ala Pro Arg His
20

<210> 143
<211> 23
<212> PRT
<213> Homo sapiens

<400> 143

Cys Leu His Arg Trp Arg Thr Glu Ile Glu Asn Asp Thr Arg Asp Leu
 1 5 10 15

Gln Glu Ser Ile Ser Arg Ile
 20

<210> 144
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 144
 Lys Ser Met Ile Gln Val Pro Tyr Arg Leu His Ala Val Leu Val His
 1 5 10 15

Glu Gly Gln Ala Asn Ala Gly His Tyr Trp Ala Tyr
 20 25

<210> 145
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 145
 Arg Trp Met Lys Tyr Asn Asp Ile Ala Val Thr Lys Ser Ser Trp Glu
 1 5 10 15

Glu Leu Val Arg Asp Ser Phe Gly Gly Tyr Arg Asn Ala
 20 25

<210> 146
 <211> 24
 <212> PRT
 <213> Homo sapiens

<400> 146
 Ile Asn Asp Lys Ala Gln Phe Leu Ile Gln Glu Glu Phe Asn Lys Glu
 1 5 10 15

Thr Gly Gln Pro Leu Val Gly Ile
 20

<210> 147
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 147
 Met Ile Gln Val Pro Tyr Arg Leu His Ala Val Leu Val His Glu Gly
 1 5 10 15

Gln Ala Asn Ala Gly His Tyr
 20

<210> 148
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 148
 Asp Asn Gln Arg Phe Glu Lys Glu Leu Glu Glu Trp Asp Ala Gln Leu

1 5 10 15
 Ala Gln Lys Ala Leu Gln Glu Lys Leu Leu
 20 25

 <210> 149
 <211> 23
 <212> PRT
 <213> Homo sapiens

 <400> 149
 Ser Glu Thr Ser Val Thr Thr Ala Gln Ala Ala Gly Asp Pro Glu Tyr
 1 5 10 15

 Leu Glu Gln Pro Ser Arg Ser
 20

 <210> 150
 <211> 28
 <212> PRT
 <213> Homo sapiens

 <400> 150
 Gln Ile Ile Thr Lys Ala Ser His Glu His Glu Asp Lys Ser Pro Glu
 1 5 10 15

 Thr Val Leu Gln Ser Ala Ile Lys Leu Glu Tyr Ala
 20 25

 <210> 151
 <211> 28
 <212> PRT
 <213> Homo sapiens

 <400> 151
 Leu Ala Gln Glu Asp Thr Pro Pro Glu Thr Asp Tyr Arg Leu His His
 1 5 10 15

 Val Val Val Tyr Phe Ile Gln Asn Gln Ala Pro Lys
 20 25

 <210> 152
 <211> 29
 <212> PRT
 <213> Homo sapiens

 <400> 152
 Gly Asp Arg Asn Leu Ser Phe Asp Glu Arg Cys His Asn Ile Met Lys
 1 5 10 15

 Val Ala Gln Ala Lys Leu Glu Met Ile Lys Pro Glu Glu
 20 25

 <210> 153
 <211> 26
 <212> PRT
 <213> Homo sapiens

 <400> 153
 Glu Glu Trp His Gln Asp Tyr Arg Lys Phe Arg Glu Thr Thr Met Tyr
 1 5 10 15

Leu Ile Ile Gly Leu Glu Asn Phe Gln Arg
 20 25

<210> 154
 <211> 29
 <212> PRT
 <213> Homo sapiens

<400> 154
 Ile Cys Ala Tyr Gln Asn Asn Lys Glu Leu Leu Ser Lys Gly Leu Tyr
 1 5 10 15

Arg Gly His Asp Glu Glu Leu Ile Ser His Tyr Arg Arg
 20 25

<210> 155
 <211> 28
 <212> PRT
 <213> Homo sapiens

<400> 155
 Cys Leu Leu Lys Leu Asn Glu Gln Ala Ala Glu Leu Phe Glu Ser Gly
 1 5 10 15

Glu Asp Arg Glu Val Asn Asn Gly Leu Ile Ile Met
 20 25

<210> 156
 <211> 31
 <212> PRT
 <213> Homo sapiens

<400> 156
 Val Asp Glu Met Glu Glu Lys Asp Ile Leu Ala Val Glu Asp Met Arg
 1 5 10 15

Asn Arg Trp Cys Ser Tyr Leu Gly Gln Glu Met Glu Pro His Leu
 20 25 30

<210> 157
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 157
 Gln Glu Lys Leu Thr Asp Phe Leu Pro Lys Leu Leu Asp Cys Ser Met
 1 5 10 15

Glu Ile Lys Ser Phe His Glu Pro Pro
 20 25

<210> 158
 <211> 21
 <212> PRT
 <213> Homo sapiens

<400> 158
 Gln Ile Ala Thr Ser Val His His Asn Ile Asn Arg Lys Lys Arg Ser
 1 5 10 15

Val Leu Arg Leu Leu
20

<210> 159
<211> 127
<212> PRT
<213> Homo sapiens

<400> 159
Gln Ile Ala Thr Ser Val His His Asn Ile Asn Arg Lys Lys Arg Ser
1 5 10 15

Val Leu Arg Leu Leu Met Phe Cys Phe Tyr Leu Asn Tyr Phe Thr Asn
20 25 30

Leu Phe Leu Phe Leu Thr Cys Ser Arg Ser Glu Ser Leu Ser Ser Pro
35 40 45

Thr Gly Pro Tyr Ser Gly Phe Pro Phe Leu Lys Ser Pro Pro Val Arg
50 55 60

Asn Ser Leu Asn Lys Gly Pro Leu Leu Val Gln Tyr Tyr Ser Phe Ser
65 70 75 80

Ser His Leu Arg Val Pro Arg Lys Lys Lys Gln Val Ile Arg Val Pro
85 90 95

Val Arg Val Pro Pro Lys Ser Pro Ala Met Ser Pro Pro Ser Ser Pro
100 105 110

Arg Phe His Phe Phe Thr Phe Ser Gly Pro Phe Pro Asn Ser Tyr
115 120 125

<210> 160
<211> 32
<212> PRT
<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (10)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> MISC_FEATURE
<222> (22)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 160
Pro Leu Leu Arg Gly Leu Phe Ile Arg Xaa Arg Ala Gly His Tyr Glu
1 5 10 15

Cys Val Phe His Glu Xaa Val Glu Gly Gly Ala Cys Cys Glu Gln Cys
20 25 30

<210> 161
<211> 44
<212> PRT

<213> Homo sapiens

<400> 161

Leu Val Asn Asn Ser Phe Phe Leu Glu Phe Ile Tyr Arg Pro Asp Ser
1 5 10 15

Lys Asn Trp Gln Tyr Gln Glu Thr Ile Lys Lys Gly Asp Leu Leu Leu
20 25 30

Asn Arg Val Gln Lys Leu Ser Arg Val Ile Asn Met
35 40

<210> 162

<211> 34

<212> PRT

<213> Homo sapiens

<400> 162

Ile Arg Glu Leu Ser Arg Phe Ile Ala Ala Gly Arg Leu His Cys Lys
1 5 10 15

Ile Asp Lys Val Asn Glu Ile Val Glu Thr Asn Arg Tyr Ser His Phe
20 25 30

Ser Glu

<210> 163

<211> 76

<212> PRT

<213> Homo sapiens

<220>

<221> MISC_FEATURE

<222> (10)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> MISC_FEATURE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 163

Pro Leu Leu Arg Gly Leu Phe Ile Arg Xaa Arg Ala Gly His Tyr Glu
1 5 10 15

Cys Val Phe His Glu Xaa Val Glu Gly Gly Ala Cys Cys Glu Gln Cys
20 25 30

Met Arg Lys Thr Ala Trp Leu Cys Phe Phe Phe Gln Leu Cys Gly Leu
35 40 45

Gly Gln Val Thr Ser Leu Gln Tyr Arg Asn Cys Asn Val Glu Ile Lys
50 55 60

Pro Ser Leu Val Arg Gly Thr His Arg Ser Ile Pro
65 70 75

<210> 164

<211> 195

<212> PRT

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<213> Homo sapiens

<220>
<221> MISC_FEATURE
<222> (11)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 164
Gly Ser Gln Pro Pro Gly Pro Val Pro Glu Xaa Leu Ile Arg Ile Tyr
 1             5             10             15

Ser Met Arg Phe Cys Pro Tyr Ser His Arg Thr Arg Leu Val Leu Lys
          20             25             30

Ala Lys Asp Ile Arg His Glu Val Val Asn Ile Asn Leu Arg Asn Lys
          35             40             45

Pro Glu Trp Tyr Tyr Thr Lys His Pro Phe Gly His Ile Pro Val Leu
          50             55             60

Glu Thr Ser Gln Cys Gln Leu Ile Tyr Glu Ser Val Ile Ala Cys Glu
          65             70             75             80

Tyr Leu Asp Asp Ala Tyr Pro Gly Arg Lys Leu Phe Pro Tyr Asp Pro
          85             90             95

Tyr Glu Arg Ala Arg Gln Lys Met Leu Leu Glu Leu Phe Cys Lys Val
          100            105            110

Pro His Leu Thr Lys Glu Cys Leu Val Ala Leu Arg Cys Gly Arg Glu
          115            120            125

Cys Thr Asn Leu Lys Ala Ala Leu Arg Gln Glu Phe Ser Asn Leu Glu
          130            135            140

Glu Ile Leu Glu Tyr Gln Asn Thr Thr Phe Phe Gly Gly Thr Cys Ile
          145            150            155            160

Ser Met Ile Asp Tyr Leu Leu Trp Pro Trp Phe Glu Arg Leu Asp Val
          165            170            175

Tyr Gly Ile Leu Asp Cys Val Ser His Thr Pro Ala Cys Gly Ser Gly
          180            185            190

Tyr Gln Pro
          195

<210> 165
<211> 14
<212> PRT
<213> Homo sapiens

<400> 165
Leu Ala Ser Pro Phe Pro Val Pro Leu His Arg Cys Ser Ala
 1             5             10

<210> 166
<211> 29
<212> PRT
<213> Homo sapiens

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<400> 166
 Met Arg Phe Cys Pro Tyr Ser His Arg Thr Arg Leu Val Leu Lys Ala
 1 5 10 15
 Lys Asp Ile Arg His Glu Val Val Asn Ile Asn Leu Arg
 20 25
 <210> 167
 <211> 24
 <212> PRT
 <213> Homo sapiens
 <400> 167
 Asn Lys Pro Glu Trp Tyr Tyr Thr Lys His Pro Phe Gly His Ile Pro
 1 5 10 15
 Val Leu Glu Thr Ser Gln Cys Gln
 20
 <210> 168
 <211> 24
 <212> PRT
 <213> Homo sapiens
 <400> 168
 Lys Leu Phe Pro Tyr Asp Pro Tyr Glu Arg Ala Arg Gln Lys Met Leu
 1 5 10 15
 Leu Glu Leu Phe Cys Lys Val Pro
 20
 <210> 169
 <211> 25
 <212> PRT
 <213> Homo sapiens
 <400> 169
 Val Ala Leu Arg Cys Gly Arg Glu Cys Thr Asn Leu Lys Ala Ala Leu
 1 5 10 15
 Arg Gln Glu Phe Ser Asn Leu Glu Glu
 20 25
 <210> 170
 <211> 24
 <212> PRT
 <213> Homo sapiens
 <400> 170
 Ser Met Ile Asp Tyr Leu Leu Trp Pro Trp Phe Glu Arg Leu Asp Val
 1 5 10 15
 Tyr Gly Ile Leu Asp Cys Val Ser
 20
 <210> 171
 <211> 60
 <212> PRT
 <213> Homo sapiens
 <220>

<221> MISC_FEATURE
 <222> (15)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 171
 Ala Ala Gly Cys Val Trp Asp Thr Gly Leu Cys Glu Pro His Xaa Ser
 1 5 10 15

 Leu Arg Leu Trp Ile Ser Ala Met Lys Trp Asp Pro Thr Val Cys Ala
 20 25 30

 Leu Leu Met Asp Lys Ser Ile Phe Gln Gly Phe Leu Asn Leu Tyr Phe
 35 40 45

 Gln Asn Asn Pro Asn Ala Phe Asp Phe Gly Leu Cys
 50 55 60

 <210> 172
 <211> 180
 <212> PRT
 <213> Homo sapiens

 <400> 172
 Val Tyr Leu Phe Leu Thr Tyr Arg Gln Ala Val Val Ile Ala Leu Leu
 1 5 10 15

 Val Lys Val Gly Val Ile Ser Glu Lys His Thr Trp Glu Trp Gln Thr
 20 25 30

 Val Glu Ala Val Ala Thr Gly Leu Gln Asp Phe Ile Ile Cys Ile Glu
 35 40 45

 Met Phe Leu Ala Ala Ile Ala His His Tyr Thr Phe Ser Tyr Lys Pro
 50 55 60

 Tyr Val Gln Glu Ala Glu Glu Gly Ser Cys Phe Asp Ser Phe Leu Ala
 65 70 75 80

 Met Trp Asp Val Ser Asp Ile Arg Asp Asp Ile Ser Glu Gln Val Arg
 85 90 95

 His Val Gly Arg Thr Val Arg Gly His Pro Arg Lys Lys Leu Phe Pro
 100 105 110

 Glu Asp Gln Asp Gln Asn Glu His Thr Ser Leu Leu Ser Ser Ser Ser
 115 120 125

 Gln Asp Ala Ile Ser Ile Ala Ser Ser Met Pro Pro Ser Pro Met Gly
 130 135 140

 His Tyr Gln Gly Phe Gly His Thr Val Thr Pro Gln Thr Thr Pro Thr
 145 150 155 160

 Thr Ala Lys Ile Ser Asp Glu Ile Leu Ser Asp Thr Ile Gly Glu Lys
 165 170 175

 Lys Glu Pro Ser
 180

 <210> 173
 <211> 176

<212> PRT

<213> Homo sapiens

<400> 173

Thr	Asn	Asn	Lys	Asp	Ser	Leu	Gly	Trp	Tyr	Leu	Phe	Thr	Val	Leu	Asp
1				5					10					15	
Ser	Trp	Ile	Ala	Leu	Lys	Tyr	Pro	Gly	Ile	Ala	Ile	Tyr	Val	Asp	Thr
			20					25					30		
Cys	Arg	Glu	Cys	Tyr	Glu	Ala	Tyr	Val	Ile	Tyr	Asn	Phe	Met	Gly	Phe
		35					40					45			
Leu	Thr	Asn	Tyr	Leu	Thr	Asn	Arg	Tyr	Pro	Asn	Leu	Val	Leu	Ile	Leu
	50					55					60				
Glu	Ala	Lys	Asp	Gln	Gln	Lys	His	Phe	Pro	Pro	Leu	Cys	Cys	Cys	Pro
65					70					75					80
Pro	Trp	Ala	Met	Gly	Glu	Val	Leu	Leu	Phe	Arg	Cys	Lys	Leu	Ser	Val
				85					90					95	
Leu	Gln	Tyr	Thr	Val	Val	Arg	Pro	Phe	Thr	Thr	Ile	Val	Ala	Leu	Ile
			100					105					110		
Cys	Glu	Leu	Leu	Gly	Ile	Tyr	Asp	Glu	Gly	Asn	Phe	Ser	Phe	Ser	Asn
		115					120					125			
Ala	Trp	Thr	Tyr	Leu	Val	Ile	Ile	Asn	Asn	Met	Ser	Gln	Leu	Phe	Ala
	130					135					140				
Met	Tyr	Cys	Leu	Leu	Leu	Phe	Tyr	Lys	Val	Leu	Lys	Glu	Glu	Leu	Ser
145					150					155					160
Pro	Ile	Gln	Pro	Val	Gly	Lys	Phe	Leu	Cys	Val	Lys	Leu	Val	Val	Phe
				165					170					175	

<210> 174

<211> 28

<212> PRT

<213> Homo sapiens

<400> 174

Gln	Asn	Ser	Gln	Arg	Thr	Gly	Leu	Pro	Ile	Thr	Ile	Phe	Ser	Arg	Ser
1				5					10					15	
Phe	Pro	Leu	Leu	Thr	Gly	Ser	Asp	Leu	Cys	Glu	Asn				
			20					25							

<210> 175

<211> 85

<212> PRT

<213> Homo sapiens

<400> 175

Gln	Asn	Ser	Gln	Arg	Thr	Gly	Leu	Pro	Ile	Thr	Ile	Phe	Ser	Arg	Ser
1				5					10					15	

Phe Pro Leu Leu Thr Gly Ser Asp Leu Cys Glu Asn Met Pro Cys Thr
20 25 30
Cys Thr Trp Arg Asn Trp Arg Gln Trp Ile Arg Pro Leu Val Ala Val
35 40 45
Ile Tyr Leu Val Ser Ile Val Val Ala Val Pro Leu Cys Val Trp Glu
50 55 60
Leu Gln Lys Leu Glu Val Gly Ile His Thr Lys Ala Trp Phe Ile Ala
65 70 75 80
Gly Ile Phe Leu Leu
85

<210> 176
<211> 9
<212> PRT
<213> Homo sapiens

<400> 176
Gln Phe Phe Leu Cys Arg Asp Cys Ser
1 5

<210> 177
<211> 38
<212> PRT
<213> Homo sapiens

<400> 177
Glu Arg Glu Ser Cys Ser Ile Ile Gln Ala Gly Val Gln Trp Cys Asn
1 5 10 15

Leu Ser Ser Leu Arg Pro Pro Pro Pro Gly Phe Lys Gln Phe Ser His
20 25 30

Leu Ser Leu Pro Ser Ser
35

<210> 178
<211> 116
<212> PRT
<213> Homo sapiens

<400> 178
Leu Arg Glu Asn Leu Ala Leu Ser Ser Arg Leu Glu Cys Ser Gly Ala
1 5 10 15

Ile Ser Ala His Cys Asp Leu His Leu Leu Gly Ser Ser Asn Ser Pro
20 25 30

Thr Ser Ala Ser Gln Val Val Arg Thr Thr Gly Ala His His Gln Ala
35 40 45

Gln Pro Ile Phe Val Phe Leu Val Glu Thr Gly Phe His His Val Gly
50 55 60

Gln Ala His Leu Lys Gln Leu Thr Ser Arg Tyr Pro Pro His Leu Ala
65 70 75 80

Ser Gln Ser Ala Gly Ile Thr Gly Met Ser Tyr Arg Thr Gln Pro Lys

	85		90		95										
Leu	Leu	Trp	Phe	Tyr	Leu	Tyr	Lys	Gln	Phe	Lys	Gln	Tyr	Arg	Glu	Val
	100							105					110		

Gly Ser Arg Lys
115

<210> 179
 <211> 25
 <212> PRT
 <213> Homo sapiens

<400> 179
 Ser Ser Arg Leu Glu Cys Ser Gly Ala Ile Ser Ala His Cys Asp Leu
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His Leu Leu Gly Ser Ser Asn Ser Pro
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 Gly Ala His His Gln Ala Gln Pro Ile Phe Val Phe Leu Val Glu Thr
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Gly Phe His His Val Gly Gln Ala His Leu Lys Gln Leu Thr Ser Arg
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Tyr Pro Pro His Leu Ala Ser Gln
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 Ile Thr Gly Met Ser Tyr Arg Thr Gln Pro Lys Leu Leu Trp Phe Tyr
 1 5 10 15

Leu Tyr Lys Gln Phe Lys Gln Tyr Arg
 20 25

<210> 182
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 Glu Asn Phe Pro Glu Thr Arg Glu Val Arg Ala Phe Ser Pro Arg Glu
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Asn Leu Glu Leu Cys Thr Cys Lys Ser
 20 25

<210> 183
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<212> PRT

<213> Homo sapiens

<400> 183

Ala Leu Tyr Cys Ser Pro Ser Leu Gln Ile Asp
1 5 10

<210> 184

<211> 37

<212> PRT

<213> Homo sapiens

<400> 184

Cys His Cys Ser Met Leu Lys Ser His Gly Asp Val Gln Asn Val Leu
1 5 10 15

Thr Leu Phe Val Thr Val Leu Ser Asp Val Ser Tyr Leu Gln Gln Ile
20 25 30

Gln Lys Lys Leu Arg
35

<210> 185

<211> 39

<212> PRT

<213> Homo sapiens

<400> 185

Cys Tyr Phe His Gln Lys Ala Gln Ser Asn Gly Pro Glu Lys Gln Glu
1 5 10 15

Lys Glu Gly Val Ile Gln Asn Phe Lys Arg Thr Leu Ser Lys Lys Glu
20 25 30

Lys Lys Glu Lys Lys Lys Lys
35